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STATEMENT, WATER POLLUTION CONTROL AND QUALITY MANAGEMENT PROGRAMS FOR IOWA, KANSAS, MISSOURI, AND NEBRASKA. VOLUME III. APPENDIX C - CONTRUCTION GRANTS. APPENDIX D - ENFORCEMENT. APPENDIX E - FEDERAL INSTALLATIONS

Public Health Service
Kansas City, Missouri

May 1964

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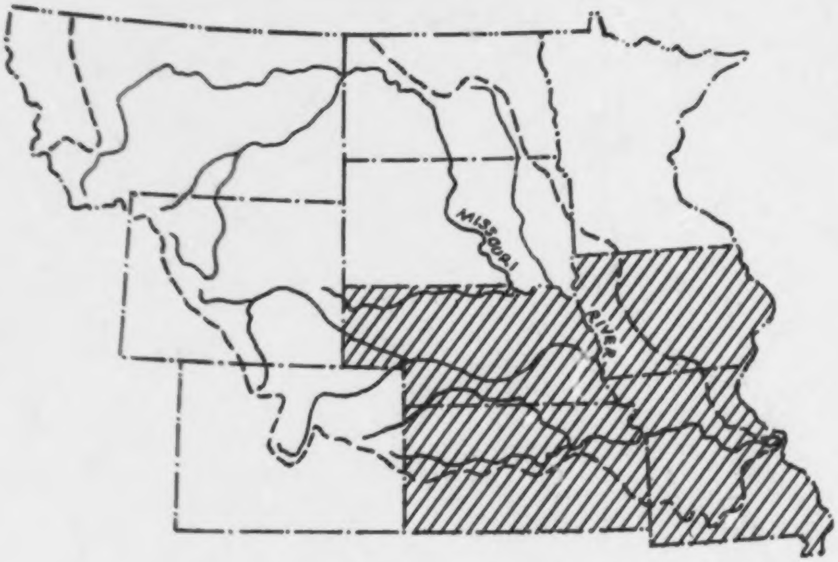
STATEMENT

WATER QUALITY MANAGEMENT
and
POLLUTION CONTROL PROGRAM
in
IOWA, KANSAS, MISSOURI, and NEBRASKA



Volume III

APPENDIX C - CONSTRUCTION GRANTS
APPENDIX D - ENFORCEMENT
APPENDIX E - FEDERAL INSTALLATIONS

U. S. DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
Public Health Service,
Kansas City, Missouri

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MAY 1964

STATEMENT
WATER POLLUTION AND QUALITY MANAGEMENT PROGRAMS OF THE STATES OF IOWA, KANSAS, MISSOURI, AND NEBRASKA

by

Division of Water Supply and Pollution Control
Public Health Service
U. S. Department of Health, Education, and Welfare
Region VI
Kansas City, Missouri

Presented before the
Natural Resources and Power Subcommittee
of the
House Committee on Government Operations
Kansas City, Missouri
May 22-23, 1964

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STATEMENT WATER POLLUTION CONTROL AND QUALITY MANAGEMENT PROGRAMS FOR IOWA, KANSAS, MISSOURI AND NEBRASKA

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APPENDIX C

CONSTRUCTION GRANTS

TABLE I

April 1964

SUMMARY OF FEDERALLY AIDED WASTE TREATMENT PROJECTS COMPLETED UNDER PUBLIC LAW 660 SINCE JULY 31, 1956

STATE	Number Projects	Eligible Costs	Federal Grants	Population
IOWA	73	$17,120,424	$ 4,222,385	444,869
KANSAS	95	14,130,035	3,762,601	437,204
MISSOURI	113	16,729,563	4,932,843	1,319,852
NEBRASKA	95	10,972,828	2,631,765	449,778
GRAND TOTALS	376	$58,952,850	$15,549,594	2,651,703

Note: Included in the above figures are three projects which have received grants under the Accelerated Public Works Program with an eligible cost of $101,579 and a grant amount of $50,788.

The population figures shown are those provided in the application for a grant and are based upon the population of the area served or the population equivalent for which the works were designed.

TABLE II

April 1964

SUMMARY OF FEDERALLY AIDED WASTE TREATMENT PROJECTS NOW ACTIVE UNDER PUBLIC LAW 660

STATE	Number Projects	Eligible Costs	Federal Grants	Population
IOWA	48	$21,084,009	$3,958,568	431,079
KANSAS	58	11,301,104	3,362,709	431,343
MISSOURI	62	31,520,472	7,647,795	953,841
NEBRASKA	79	26,957,901	3,622,777	810,564
GRAND TOTALS	247	90,863,486	18,591,849	2,626,827

Note: Included in the above figures are 44 projects receiving Accelerated Public Works Grants. These projects have eligible costs of $5,182,612 and have received grants of $2,377,015.

The population figures shown are those provided in the application for a grant and are based upon the population of the area served or the population equivalent for which the works were designed.

TABLE III

April 1964

SUMMARY OF PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS UNDER PUBLIC LAW 660

STATE	Number Projects	Eligible Costs	Federal Grants Requested	Population
IOWA	46	$ 14,907,900	$ 4,380,050	471,364
KANSAS	24	6,903,833	1,595,583	287,083
MISSOURI	69	116,158,893	9,274,163	1,458,405
NEBRASKA	23	3,479,995	1,041,011	182,340
GRAND TOTALS	161	$141,450,621	$16,290,807	2,399,192

Note: The above figures include 27 projects requesting assistance under the Accelerated Public Works Program with an eligible cost of $4,341,067 and grant requests of $1,816,431.

1/ EXPLANATION SHEET FOR TABLES IV, V AND VI

COMPLETED - Projects completed since July 31, 1956.

NOW ACTIVE - This includes all active projects that have received a grant and are not completed.

PROPOSED - Projects which the states have advised will likely develop within the next two years.

IDENTIFICATION OF SYMBOLS - Type of treatment:
- S (secondary)
- P (primary)

Facility:
- STP (sewage treatment plant)
- OF (outfall)
- Int (interceptor)
- FM (force main)
- PS or LS (lift station)
- Rehab (rehabilitation)
- Imp (improvements)

Project No.:
- WPC - indicates the grant funds are from the Public Law 660 authorization only.
- APW - indicates the grant funds are from the accelerated public works program only.
- WPC -APW- indicates grant funds are from a combination of the two.

Population: The population figures shown are those that were stated in the application for a grant and are based on either the population served or the population equivalent for which the works were designed. They do not represent the present population of the community.

TABLE IV

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF IOWA April, 1964

APPLICANT	PROJECT NO.		TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Adair	WPC-IOWA-133	S	STP, OF	82,500	24,750	750
Adel	WPC-IOWA-144	S	STP, INT, OF, LF	227,871	62,400	2079
Afton	WPC-IOWA-125	S	INT, WSL	38,369	11,511	875
Alton	WPC-IOWA-25	S	STP, INT, LS, SP	55,032	16,509	1038
Ankeny	WPC-IOWA-60	S	STP, INT	206,667	62,000	2964
Bedford	WPC-IOWA-11	S	STP & ADDN.	151,064	35,400	2000
Birmingham	WPC-IOWA-2	S	STP, WSP, LS, & FM	15,432	4,630	643
Bloomfield	WPC-IOWA-16	S	ADD'NS TO EXIST STP	141,303	35,530	2688
Boone	WPC-IOWA-18	S	STP	186,006	55,735	12164
Burlington	WPC-IOWA-4	S	STP IMP.	940,146	250,000	30613
Calmar	WPC-IOWA-62	S	STP	107,894	27,463	975
Camanche	WPC-IOWA-156	P	STP & LS	97,339	29,201	2225
Central City	WPC-IOWA-69	S	STP, INT & OF	107,557	32,267	965
Clarence	WPC-IOWA-41	S	STP, INT & OF	48,754	14,626	791
Coggon	WPC-IOWA-42	S	STP IMP & INT	146,025	35,400	604
Colfax	WPC-IOWA-20	S	STP & OF	138,829	38,076	2279
Conrad	WPC-IOWA-44	S	STP	95,548	28,664	649
Cedar Rapids	WPC-IOWA-100	S	STP & INT	1,263,634	203,000	31500
Council Bluffs	WPC-IOWA-117	P	STP, INT & OF	1,672,178	250,000	45429
Dakota City	WPC-IOWA-50	S	STP	69,416	20,824	637
Davenport	WPC-IOWA-38	P	Recon. STP & INT	893,341	250,000	74549
Dows	WPC-IOWA-65	S	STP	89,114	26,734	1100
Dubuque	WPC-IOWA-23	S	STP	973,086	250,000	51223
Durant	WPC-IOWA-17	S	STP	150,653	42,300	1076
Decora	WPC-IOWA-163	S	Alt. & Imp. to STP	150,771	36,206	6435
Eagle Grove	WPC-IOWA-8	S	STP Appurt. & LS	185,517	55,655	4176
Estherville	WPC-IOWA-28	S	Rmdl & Alt.	259,477	71,290	6719
Fonda	WPC-IOWA-9	S	STP IMP.	73,406	21,527	1120
Forest City	WPC-IOWA-111	S	STP IMP & EXT.	152,103	45,630	2950
Gilmore	WPC-IOWA-57	S	STP IMPR & EXT.	30,062	8,811	746
Greene	WPC-IOWA-61	S	STP	69,134	20,170	1347
Hawkeye	WPC-IOWA-76	S	STP	71,031	19,650	511
Hopkinton	WPC-IOWA-19	S	STP, INT & OF	80,822	24,237	600
Iowa Falls	WPC-IOWA-123	S	STP & INT	291,997	87,599	5524
Ireton	WPC-IOWA-27	S	STP	72,403	21,720	573
Kellogg	WPC-IOWA-26	S	STP, INT & OF	79,415	20,067	648

TABLE IV (CONT.)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF IOWA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Lamoni	WPC-IOWA-161	S LS & WSL	167,177	42,901	2173
Le Mars	WPC-IOWA-24	S STP, INT & OF	351,341	104,000	5844
Lohrville	WPC-IOWA-43	S STP	74,553	22,365	698
Marcus	WPC-IOWA-63	S STP	95,711	28,713	1263
Marengo	WPC-IOWA-159	S LS, FM & WSP	101,244	30,373	2263
Maquoketa	WPC-IOWA-87	P INT, PS, PTP	288,854	86,856	5001
Mason City	WPC-IOWA-75	S STP & OF	1,537,997	250,000	34500
Massena	WPC-IOWA-67	S STP	51,274	12,040	455
Mount Ayr	WPC-IOWA-1	S STP, LS, OF	95,246	28,573	1793
New London	WPC-IOWA-29	S STP	120,423	35,979	1570
Nora Springs	WPC-IOWA-82	S STP, PS & INT	162,658	38,895	1257
Northwood	WPC-IOWA-95	S STP & OF	147,392	38,625	1767
Ocheyedan	WPC-IOWA-166	S INT & WSL	30,382	7,773	659
Ogden	WPC-IOWA-72	S STP	119,980	35,994	1486
Orange City	WPC-IOWA-53	S STP Imp.	150,871	38,632	2166
Ottumwa	WPC-IOWA-13	S STP & INT	1,118,610	250,000	33631
Oxford	WPC-IOWA-54	S STP & INT	23,724	7,117	543
Paullina	WPC-IOWA-51	S PS, INT, STP	95,986	28,796	1289
Primghar	WPC-IOWA-71	S WSL & Appurt.	48,727	14,618	1152
Red Oak	WPC-IOWA-34	S STP	386,175	115,852	6421
Ruthven	WPC-IOWA-85	S LG & INT.	26,657	7,997	868
Shell Rock	WPC-IOWA-101	S STP, INT, LS, FM	123,183	36,954	1013
Sibley	WPC-IOWA-15	S STP, IMP & EXT.	254,707	75,657	2559
Sioux Center	WPC-IOWA-55	S STP & EXT.	233,752	70,125	1860
Sioux Rapids	WPC-IOWA-35	S STP, INT. & OF	67,877	20,363	1010
Spencer	WPC-IOWA-91	S Alt. & Ext. STP	640,266	191,475	7466
Springville	WPC-IOWA-12	S STP, INT & OF	52,002	15,426	680
Sumner	WPC-IOWA-14	S STP	131,020	39,306	1917
Tipton	WPC-IOWA-138	S STP IMP.	211,412	63,424	3000
Tripoli	WPC-IOWA-110	S STP & OF	69,407	20,820	1124
Villisca	WPC-IOWA-10	S STP & Ext.	107,887	32,366	1838
Vinton	WPC-IOWA-153	S Alt. & Ext. STP	157,651	46,380	4781
Washington	WPC-IOWA-3	S Alt. & Impr of Ext. STP	57,513	17,254	5902
Wellsburg	WPC-IOWA-31	S STP & OF	83,107	24,932	740
Whittemore	WPC-IOWA-81	S STP	136,418	39,900	678
Wilton	WPC-IOWA-68	S STP & EXT.	203,989	58,800	1800
Winthrop	WPC-IOWA-43	S STP	11,743	3,522	604
			17,120,424	4,222,385	444,869

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF KANSAS April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY		ELIGIBLE COST	FEDERAL GRANT	POP.
Albert	WPC-KANS-44	S	WSL, LS	36,341	10,500	229
Andover	WPC-KANS-61	S	STP	47,565	14,269	360
Argonia	WPC-KANS-83	S	LS, WSL	47,522	14,256	570
Arkansas City	WPC-KANS-17	S	Int, STP	750,356	225,107	13,616
Atchison	WPC-KANS-53	P	STP	640,668	192,200	12,792
Attica	WPC-KANS-96	S	Int, WSL	38,871	11,661	846
Atwood	WPC-KANS-14	S	OF, LS, FM, WSL	64,253	19,212	1,752
Augusta	WPC-KANS-93	S	Imp. to ext. STP	210,409	63,122	6,434
Barnard	WPC-KANS-60	S	FM, LS, WSL	35,422	10,626	251
Baxter Springs	WPC-KANS-70	S	LS, FM, WSL	159,711	47,913	4,650
Benton	WPC-KANS-1	S	STP, WSL	47,450	14,235	657
Bison	WPC-KANS-18	S	STP	40,448	12,134	326
Burlington	WPC-KANS-32	S	STP	168,167	50,450	2,200
Claflin	WPC-KANS-110	S	Add & Imp to ext. TP	102,497	30,749	900
Cawker City	WPC-KANS-105	S	STP	35,852	10,755	698
Cedar Vale	WPC-KANS-75	S	WSL	40,291	12,087	861
Cheney	WPC-KANS-34	S	LS, STP	134,180	40,254	1,012
Clyde	WPC-KANS-37	S	STP	44,301	12,998	
Copeland	WPC-KANS-106	S	STP	49,419	14,825	247
Cottonwood Falls	WPC-KANS-45	S	WSL, OF	50,475	15,142	958
Council Grove	WPC-KANS-59	S	Int. FM, WSL	149,118	44,735	2,597
Delaware Township SD#3	WPC-KANS-76	S	WSL	52,557	15,767	1,600
Derby	WPC-KANS-71	S	Add & Alt to ext. STP	112,751	33,825	6,800
Dodge City	WPC-KANS-17A	S	STP	558,[illegible]	167,564	11,262
Douglass	WPC-KANS-5	S	LS, STP	57,740	[illegible]	729
Dexter	WPC-KANS-113	S	PS, WSL	37,711	11,[illegible]	[illegible]
Elk City	WPC-KANS-6	S	STP, Int, LS, IT	45,699	13,709	524
Elkhart	WPC-KANS-24	S	WSL	49,546	14,864	1,534
Ellinwood	WPC-KANS-23	S	STP	206,156	60,982	2,569
Emporia	WPC-KANS-26	S	STP Impr.	477,240	133,500	15,669
Fairview	WPC-KANS-62	S	1 3-cell TL, 2P,1S cell	35,947	10,784	303
Florence	WPC-KANS-68	S	LS, FM, WSL	48,484	14,110	966
Fort Scott	WPC-KANS-69	S	Add & New WSL	151,721	45,516	10,335
Galva	WPC-KANS-63	S	Add to P units & new SU	17,571	5,271	426
Garden City	WPC-KANS-27	S	STP, LS, OF	523,551	115,723	10,880

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF KANSAS April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY		ELIGIBLE COST	FEDERAL GRANT	POP.
Olpe	WPC-KANS-49	S	STP of WSL type	$ 24,156	$ 7,247	350
Oskaloosa	WPC-KANS-94	S	WSL	35,163	10,549	808
Otis	WPC-KANS-88	S	WSL, LS	38,623	11,587	384
Overbrook	WPC-KANS-50	S	STP of WSL type	31,895	9,568	457
Parsons	APW-KANS-905	S	STP	47,127	23,563	13,982
Perry	WPC-KANS-80	S	LS, WSL	38,672	11,601	447
Pleasanton	WPC-KANS-89	S	LS, FM, WSL	89,957	26,987	1,174
Pratt	WPC-KANS-55	S	STP	314,806	94,441	7,956
Quenemo	WPC-KANS-31	S	STP, LS	44,615	13,335	414
Ransom	WPC-KANS-20	S	STP, LS	49,689	14,906	405
Rose Hill	WPC-KANS-3	S	STP, OF	88,537	26,561	350
Rozel	WPC-KANS-51	S	STP	38,539	9,904	225
Sabetha	WPC-KANS-90	S	Imp. to STP	216,252	64,875	2,430
Sawyer	WPC-KANS-91	S	STP, WSL	18,876	5,662	210
Shawnee Township SD#8	WPC-KANS-73	S	STP	146,026	43,026	5,780
Strong City	WPC-KANS-8	S	OF, LS	68,833	19,791	680
Syracuse	WPC-KANS-56	S	STP	130,597	39,179	2,075
Tribune	WPC-KANS-98	S	STP, WSL	44,130	13,239	1,018
Utica	WPC-KANS-65	S	STP, IT	67,345	20,010	360
Valley Center	WPC-KANS-2	S	Add to STP	101,700	30,510	2,100
Victoria	WPC-KANS-81	S	STP, LS, TP	123,010	36,903	1,152
Walton	WPC-KANS-29	S	OF, STP	34,279	10,283	220
Waterville	WPC-KANS-13	S	OF, LS, Pri STP	41,406	12,421	676
Wellsville	WPC-KANS-11	S	STP	114,081	34,224	792
Wetmore	WPC-KANS-52	S	STP	65,814	19,744	382
Wichita	WPC-KANS-57	S	STP, new adds	900,773	137,141	168,279
Wilsey	WPC-KANS-66	S	STP, WSL	15,413	4,623	243
Wilson	WPC-KANS-101	S	Imp to STP	35,706	10,712	1,045
				$14,130,035	$3,762,[illegible]01	437,206

TABLE IV (CONT.)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.		TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Anderson	WPC-MO-116	S	LS, FM & WSL	53,871	16,161	1,072
Arcadia	WPC-MO- 98	S	LS, FM & WSL	27,809	7,963	414
Aurora	WPC-MO- 25	S	STP, PS	534,598	160,379	4,153
Belle	WPC-MO- 15	S	OF, LS, FM & WSL	48,514	11,985	906
Benton	WPC-MO- 27	S	OF, LS, FM & WSL	31,272	9,381	546
Bernie	WPC-MO-114	S	WSL, INT. & OF	46,467	13,940	1,308
Blue Springs	WPC-MO- 6	S	OF, LS, FM, WSL	73,684	22,105	1,068
Bonne Terre	WPC-MO-126	S	LS, FM, INT, WSL	188,958	49,919	3,524
Bourbon	WPC-MO-173	S	INT, WSL	31,740	9,522	779
Bowling Green	WPC-MO- 24	S	LS, FM, OF	134,540	39,048	2,396
Brunswick	WPC-MO-139	S	LS, FM, WSL	58,068	14,245	1,500
Buckner	WPC-MO- 26	S	WSL, LS, FM, OF	35,150	10,545	639
Butler	WPC-MO- 91	S	INT	28,619	7,599	3,333
Bland	WPC-MO-162	S	INT, WSL	25,273	6,756	654
Cabool	APW-MO- 45	S	Add. to STP	38,969	11,690	1,245
Cameron	WPC-MO-113	S	INT, LS, FM	130,024	39,007	3,570
Campbell	WPC-MO- 43	S	OF, PS, FM,OF PUMP STA.	29,748	8,941	1,932
Carthage	WPC-MO- 5	S	STP	213,832	59,670	11,188
Cassville	WPC-MO- 67	S	WSL, LS, FM, OF	85,156	25,546	1,441
Center	WPC-MO- 31	S	OF, WSL	13,700	4,110	415
Centralia	WPC-MO- 80	S	WSL, LS, FM, OF	91,102	27,330	2,460
Chamois	WPC-MO-136	S	INT, FM, LS, WSL	20,097	6,029	621
Chillicothe	WPC-MO- 53	S	STP	407,764	122,329	8,694
Clinton	WPC-MO- 87	S	OF, WSL	181,398	54,419	6,075
Concordia	WPC-MO- 92	S	WSL, OF, INT.	120,048	36,014	1,214
De Soto	WPC-MO- 61	S	LS, FM, WSL	202,312	60,693	5,457
Drexel	WPC-MO- 82	S	LS, OF, WSL	20,857	6,257	593
Edina	WPC-MO 79	S	WSL	26,428	7,008	1,607
El Dorado	WPC-MO-172	S	Impr. to STP, OF, WSL	151,401	45,420	2,864
Ellisville	WPC-MO- 55	S	STP, OF, FM, PS	212,174	63,652	625
Farber	WPC-MO-156	S	INT, LS, FM, WSL	33,829	10,148	450
Fornfelt	WPC-MO- 7	S	LS, FM, WSL	4 ,344	14,503	1,539
Grandview	WPC-MO- 49	S	OF, LS, WSL	445,972	129,378	1,556
Greenfield	WPC-MO- 90	S	WSL, LS, OF	79,091	23,727	23,727
Hamilton	WPC-MO-107	S	INT, STP, WSL	45,327	13,598	1,728
Hermann	WPC-MO-133	S	STP, LS, FM	244,791	69,714	2,531
Higginsville	WPC-MO- 2	S	OF, INT., WSL	395,435	118,630	3,441

TABLE IV (CONT.)
COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Holden	WPC-MO- 14	P & S STP, LS, FM	121,700	36,510	1,765
Hornersville	WPC-MO- 20	S LS, FM, WSL	34,977	10,015	875
Humansville	WPC-MO- 37	S SAN. SEWERS, WSL	12,950	3,885	803
Illmo	WPC-MO- 9	S LS, INT, WSL	43,012	12,903	1,247
Independence	WPC-MO- 41	P INT, STP, OF	1,080,786	250,000	67,000
Ironton	WPC-MO- 8	S OF, LS, FM, WSL	42,792	12,837	1,148
Joplin	WPC-MO- 22	S STP	809,745	242,923	38,711
Kahoka	WPC-MO- 29	S LS, FM, WSL	29,344	8,803	1,847
Keytesville	WPC-MO- 74	S WSL	37,591	10,575	750
Kirksville	WPC-MO- 89	S STP	583,732	175,119	11,110
Knob Noster	WPC-MO-106	S WSL, INT	110,892	33,267	585
Laddonia	WPC-MO- 93	S WSL	9,878	2,963	600
La Monte	WPC-MO- 44	S WSL & APPURT.	21,310	6,224	700
Lancaster	WPC-MO- 97	S WSL & APPURT., LS	47,135	14,140	857
La Plata	WPC-MO-184	S INT, WSL	44,000	12,919	1,365
Liberal	WPC-MO-127	S WSL, LS, OF	36,360	10,908	1,242
Licking	WPC-MO- 76	S LS, WSL	38,313	11,494	-
Lilborn	WPC-MO-124	S LS, FM, WSL	22,395	22,395	1,206
Lincoln	WPC-MO- 11	S OF, WSL	32,408	7,566	386
Louisiana	WPC-MO- 62	P STP, LS, FM	215,435	64,630	4,389
Lutesville	APW-MO-196	S PS, FM, INT LAG.	30,246	15,123	658
Macon	WPC-MO- 54	S SPT, INT, OF, LS, FM	556,734	167,020	4,152
Macon	WPC-MO-109	S LS, FM	17,547	5,065	4,152
Manchester	WPC-MO-105	S STP	348,450	89,400	577
Marceline	WPC-MO- 32	S STP, LS, FM, OF	256,703	77,011	3,170
Marshfield	WPC-MO- 84	S OF, WSL	82,801	24,840	1,925
Marshall	WPC-MO- 13	S LS, FM, OF enlg. of STP	407,799	122,339	8,850
Martinsburg	WPC-MO- 48	S WSL	6,608	1,982	296
Milan	WPC-MO- 75	S WSL, LS, OF	83,291	24,987	1,972
Moberly	WPC-MO-101	S LS, FM, WSL & Appurt.	14,242	4,272	13,115
Monett	WPC-MO- 70	S LS, FM, OF, STP Impr.	81,603	24,481	4,771
Mountain Grove	WPC-MO- 57	S SEW. IMP.PROG. STP	88,463	26,410	3,106
Oak Grove	WPC-MO-125	S LS, FM, OF, WSL	117,736	33,000	7,100
O'Fallon	WPC-MO- 94	S OF, STP	113,651	24,300	900
Oran	WPC-MO- 56	S LS, OF, SEW. LAG.	63,418	18,673	1,156
Owensville	WPC-MO- 88	S WSL, OF	132,614	39,784	1,946

TABLE IV (CONT.)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Pacific	WPC-MO- 60	S WSL, OF, LS, FM	189,651	56,895	1,985
Palmyra	WPC-MO-123	S WSL, LS, FM, OF	102,042	30,612	2,915
Platte City	WPC-MO- 65	S LS, FM, WSL, OF	83,520	23,970	742
Pleasant Hill	WPC-MO- 42	S OF, LS, FM, WSL	92,990	27,897	2,200
Poplar Bluff	WPC-MO- 47	S OF, LS, WSL	650,957	191,024	15,064
Princeton	WPC-MO- 72	S INT, OF, WSL	32,169	9,650	1,506
Ravenwood	WPC-MO-122	S WSL, OF	17,770	5,331	287
Raytown	WPC-MO- 35	S WSL, OF, LS, FM	902,287	250,000	14,000
Richland	WPC-MO- 58	S LS, FM, OF	60,358	18, 107	1,133
Rock Port	WPC-MO-111	S WSL, LS, FM, INT	75,622	22,686	1,511
St. Charles	WPC-MO- 59	S OF, WSL	252,224	69,975	14,314
Ste. Genevieve	WPC-MO- 99	S INT, OF, PS, FM, WSL	187,300	56,190	3,998
St. James	WPC-MO-110	S WSL, INT, LS, FM	49,841	13,400	1,803
Sarcoxie	WPC-MO-102	S OF, PS, WSL	23,586	7,075	1,042
Senath	WPC-MO- 96	S PS, FM, WSL	47,463	14,239	1,528
Smithville	WPC-MO-147	S LS, FM, WSL	57,125	17,137	1,250
Springfield	WPC-MO- 18	S STP, Remodl. (NW)	590,000	177,000	72,100
Springfield	WPC-MO- 19	S STP (SW)	833,333	250,000	72,100
Springfield	WPC-MO- 85	S PS, INT, FM (SE)	398,000	119,400	72,100
Stanberry	WPC-MO- 17	S STP	127,740	38,322	1,651
Steele	WPC-MO- 50	S OF, LS, WSL	147,356	44,206	2,360
Steelville	WPC-MO- 28	S LS, OF	115,950	29,985	1,157
Stockton	WPC-MO- 52	S WSL, OF	20,400	6,120	811
Seover	WPC-MO- 3	S OF, WSL	25,727	7,714	693
Sturgeon	WPC-MO-163	S INT, WSL	24,526	7,357	619
Sullivan	WPC-MO- 69	S STP, OF	108,742	28,575	3,019
Tarkio	WPC-MO- 71	S PS, INT, WSL	99,665	29,899	2,221
Thayer	WPC-MO- 39	S OF, LS, STP	142,224	42,667	1,639
Tipton	WPC-MO-100	S OF, WSL	13,682	4,104	1,234
Tipton	WPC-MO- 36	S Add. to LS, WSL	43,372	13,011	1,234
Trenton	WPC-MO- 1	P & S OF, INT, LS, STP	445,031	133,509	6,157
Trenton	WPC-MO-120	S WSL & SAN. SEWER LINES	31,270	9,381	6,157
Troy	WPC-MO- 12	S OF, LS, FM	158,224	47,467	1,738
Union	WPC-MO- 16	S PS, FM, WSL	15,643	4,693	2,917
Vandalia	WPC-MO- 51	S LS, FM, WSL	30,100	9,030	2,624
Wellsville	WPC-MO- 10	S LS, FM, WSL	29,159	8,663	1,524

TABLE IV (CONT.)
COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP
Wentzville	WPC-MO- 83	S OF, WSL	32,790	9,837	1,227
Weston	WPC-MO- 78	S PS, INT, WSL	60,799	18,239	1,067
Wheaton	WPC-MO-115	S OF, LS, WSL	14,342	4,302	394
Wright City	WPC-MO-149	S LS, FM, WSL	63,500	19,050	744
			16,729,563	4,932,843	1,319,852

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Ansley	WPC-NEBR-88	S STP	$ 47,499	$ 14,249	691
Arapahoe	WPC-NEBR-31	P STP, Int, PS, OF	53,174	15,952	1,226
Aurora	WPC-NEBR-64	S STP, PS	89,501	26,850	1,950
Beatrice	WPC-NEBR-4	S Int, LS, FM, OF, STP	605,110	181,533	11,813
Beaver City	WPC-NEBR-33	S OF, WSL, & appurt.	25,743	7,723	913
Bellevue	WPC-NEBR-48	P LS, FM, OF, PTP	241,668	68,973	3,858
Benkelman	WPC-NEBR-101	S Int, LS, FM, WSL	42,144	12,560	1,400
Bennet	WPC-NEBR-66	S STP	32,227	8,324	396
Bertland	WPC-NEBR-68	S WSL, PS	29,155	8,739	584
Bladin	WPC-NEBR-61	S OF, LS, WSL	21,523	5,569	282
Blair	WPC-NEBR-25	S STP	137,422	41,226	3,815
Bradshaw	WPC-NEBR-90	S LS, Int, WSL	28,388	8,516	380
Clarks	WPC-NEBR-16	S STP	38,841	11,652	464
Clatonia	WPC-NEBR-42	S LS, FM, WSL	16,470	4,941	190
Clay Center	WPC-NEBR-24	S STP	14,023	4,207	830
Clearwater	WPC-NEBR-67	S OF, LS, FM, WSL	43,576	12,972	472
Cortland	WPC-NEBR-26	S OF, WSL	20,420	6,126	288
Cozad	WPC-NEBR-3	S STP	118,277	35,441	2,850
Crete	WPC-NEBR-44	S STP, Impr. & Expan.	83,094	23,016	3,692
Curtis	WPC-NEBR-81	P LS, FM, PTP	53,872	16,161	864
David City	WPC-NEBR-43	S STP, impr.	76,969	23,090	2,321
Diller	WPC-NEBR-114	S Int, PS, FM, WSL	26,115	7,834	286
East Sarpy	WPC-NEBR-47	S Int, OF, STP	393,320	108,391	4,000
Elkhorn	WPC-NEBR-38	S LS, OF	64,315	19,294	476
Elmwood	WPC-NEBR-14	S OF, LS	15,360	4,608	450
Farnem	WPC-NEBR-122	S LS, FM, WSL	22,203	6,660	258
Fairbury	WPC-NEBR-6	S STP, OF	266,776	80,033	6,395
Firth	WPC-NEBR-73	S WSL, LS, FM	23,471	6,936	245
Fort Calhoun	WPC-NEBR-56	S STP, OF, WSL	25,061	7,518	314
Franklin	WPC-NEBR-76	P PTP	80,940	24,282	1,610
Friend	WPC-NEBR-80	S STP	71,656	21,496	1,148
Funk	WPC-NEBR-78	S OF, PS, FM, WSL	20,178	6,053	123

TABLE IV (CONT.)
COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP
Wentzville	WPC-MO- 83	S OF, WSL	32,790	9,837	1,227
Weston	WPC-MO- 78	S PS, INT, WSL	60,799	18,239	1,067
Wheaton	WPC-MO-115	S OF, LS, WSL	14,342	4,302	394
Wright City	WPC-MO-149	S LS, FM, WSL	63,500	19,050	744
			16,729,563	4,932,843	1,319,852

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Ansley	WPC-NEBR-88	S STP	$ 47,499	$ 14,249	691
Arapahoe	WPC-NEBR-31	P STP, Int, PS, OF	53,174	15,952	1,226
Aurora	WPC-NEBR-64	S STP, PS	89,501	26,850	1,950
Beatrice	WPC-NEBR-4	S Int, LS, FM, OF, STP	605,110	181,533	11,813
Beaver City	WPC-NEBR-33	S OF, WSL, & appurt.	25,743	7,723	913
Bellevue	WPC-NEBR-48	P LS, FM, OF, PTP	241,668	68,973	3,858
Benkelman	WPC-NEBR-101	S Int, LS, FM, WSL	42,144	12,560	1,400
Bennet	WPC-NEBR-66	S STP	32,227	8,324	396
Bertland	WPC-NEBR-68	S WSL, PS	29,155	8,739	584
Bladin	WPC-NEBR-61	S OF, LS, WSL	21,523	5,569	282
Blair	WPC-NEBR-25	S STP	137,422	41,226	3,815
Bradshaw	WPC-NEBR-90	S LS, Int, WSL	28,388	8,516	380
Clarks	WPC-NEBR-16	S STP	38,841	11,652	464
Clatonia	WPC-NEBR-42	S LS, FM, WSL	16,470	4,941	190
Clay Center	WPC-NEBR-24	S STP	14,023	4,207	830
Clearwater	WPC-NEBR-67	S OF, LS, FM, WSL	43,576	12,972	472
Cortland	WPC-NEBR-26	S OF, WSL	20,420	6,126	288
Cozad	WPC-NEBR-3	S STP	118,277	35,441	2,850
Crete	WPC-NEBR-44	S STP, Impr. & Expan.	83,094	23,016	3,692
Curtis	WPC-NEBR-81	P LS, FM, PTP	53,872	16,161	864
David City	WPC-NEBR-43	S STP, impr.	76,969	23,090	2,321
Diller	WPC-NEBR-114	S Int, PS, FM, WSL	26,115	7,834	286
East Sarpy	WPC-NEBR-47	S Int, OF, STP	393,320	108,391	4,000
Elkhorn	WPC-NEBR-38	S LS, OF	64,315	19,294	476
Elmwood	WPC-NEBR-14	S OF, LS	15,360	4,608	450
Farnam	WPC-NEBR-122	S LS, FM, WSL	22,203	6,660	258
Fairbury	WPC-NEBR-6	S STP, OF	266,776	80,033	6,395
Firth	WPC-NEBR-73	S WSL, LS, FM	23,471	6,936	245
Fort Calhoun	WPC-NEBR-56	S STP, OF, WSL	25,061	7,518	314
Franklin	WPC-NEBR-76	P PTP	80,940	24,282	1,610
Friend	WPC-NEBR-80	S STP	71,656	21,496	1,148
Funk	WPC-NEBR-78	S OF, PS, FM, WSL	20,178	6,053	123

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Garland	WPC-NEBR-96	S Int, WSL	$ 14,911	$ 4,473	184
Giltner	WPC-NEBR-54	S OF, WSL	19,826	5,336	284
Goehner	WPC-NEBR-113	S OF, LS, STP	19,956	5,986	106
Grant	WPC-NEBR-77	S WSL	25,007	7,502	1,090
Guide Rock	WPC-NEBR-51	S LS, FM, STP, OF	38,875	11,040	676
Guley	WPC-NEBR-102	S Int, WSL	12,311	3,693	300
Hallam	WPC-NEBR-37	S OF, WSL	12,632	3,789	172
Hampton	WPC-NEBR-60 '	S WSL, PS, FM	18,114	5,434	289
Harvard	WPC-NEBR-111	S WSL, LS	25,316	7,594	1,261
Hastings	WPC-NEBR-2	S STP	464,237	139,271	20,211
Hebron	WPC-NEBR-62	P LS, FM, Int, PTP	166,816	50,045	2,000
Hickman	WPC-NEBR-49	S STP, LS, FM	21,221	6,366	288
Hildreth	WPC-NEBR-15	S OF, PS, WSL	10,917	3,275	374
Holdrege	WPC-NEBR-18	S STP (Int)	243,468	73,040	4,381
Holstein	WPC-NEBR-118	S Int, LS, FM, WSL	13,381	4,014	210
Indianola	WPC-NEBR-17	P Imp. to existing plant	16,972	5,091	738
Jackson	WPC-NEBR-87	S WSL, OF	17,054	5,116	220
Juniata	WPC-NEBR-10	S WSL	20,001	6,000	365
Kearney	WPC-NEBR-63	S PS, FM	352,000	105,684	12,115
Kenesaw	WPC-NEBR-166	S LS, FM, WSL	18,830	5,649	546
Kimball	WPC-NEBR-27	S Add. Sewage. Facil.	32,842	21,340	4,400
Lexington	WPC-NEBR-20	S STP	403,255	114,600	5,067
Lexington	WPC-NEBR-109	S OF, enlarg. of STP	94,079	28,223	5,572
Lincoln	WPC-NEBR-92	S Int.	314,585	94,375	127,433
Litchfield	WPC-APW-NEBR-142	S Int, WSL	13,919	6,959	264
Loup City	WPC-APW-NEBR-136	S Int, WSL	40,533	20,266	1,411
Madison	WPC-NEBR-91	S LS, FM, WSL, Int	91,219	27,365	1,517
McCool	WPC-NEBR-52	S WSL, OF, LS	21,939	6,105	301
Metford	WPC-NEBR-5	S STP, OF	79,826	23,826	1,000
Milligan	WPC-NEBR-94	S LS, FM, Int, WSL	30,500	9,150	323
Niobrara	WPC-NEBR-82	S FM, WSL	34,148	10,244	730
Norfolk	WPC-NEBR-7	S STP, Int, LS	318,330	95,499	11,335

TABLE IV (Continued)

COMPLETED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
North Loup	WPC-NEBR-30	S OF, WSL	11,158	3,347	526
Ogalla	WPC-NEBR-12	S STP, Int	255,825	76,747	3,456
Omaha	WPC-NEBR-39	S LS, Int	2,949,759	250,000	251,177
Orchard	WPC-NEBR-70	S WSL	40,482	12,144	458
Osceola	WPC-NEBR-11	S OF, PS, WSL	26,227	7,868	1,096
Palmrya	WPC-NEBR-58	S LS, OF, WSL	20,665	6,199	400
Petersburg	WPC-NEBR-104	S OF, STP	42,250	12,675	403
Plainview	WPC-NEBR-32	S LS, OF, WSL	55,577	14,520	1,427
Plattsmouth	WPC-NEBR-55	S Int, LS	295,699	88,709	4,874
Pleasant Dale	WPC-NEBR-95	S Int, WSL	10,894	3,268	163
Prague	WPC-NEBR-86	S LS, FM, WSL	42,303	12,691	406
Ralston	WPC-NEBR-28	S Int	63,671	18,300	1,300
RedCloud	WPC-NEBR-41	P STP, LS, OF	82,825	21,600	1,744
Rising	WPC-NEBR-85	S LS, FM, WSL	30,237	9,071	374
San. & Impr. Dist.#31	WPC-NEBR-35	S LS, FM	196,403	54,150	1,653
Sargent	WPC-NEBR-46	S STP, WSL, LS	24,182	7,254	826
Schuyler	WPC-NEBR-53	S WSL	76,060	20,712	2,833
Seward	WPC-NEBR-40	S STP, LS, OF	273,589	75,000	3,154
Shelley	WPC-NEBR-75	S WSL	13,925	4,177	624
Shelton	WPC-NEBR-23	S Imp. to STP	45,000	13,437	1,032
Sprague	WPC-NEBR-97	S Int, LS, FM, OF, STP	16,637	4,868	110
Superior	WPC-NEBR-1	S STP	237,206	71,161	3,240
Sutherland	WPC-NEBR-21	S STP, Int	23,254	6,976	850
Ulysses	WPC-NEBR-59	S WSL	14,608	4,382	374
Unadilla	WPC-NEBR-19	S OF, WSL	12,740	3,822	280
Utica	WPC-NEBR-13	S LS, OF, WSL	12,927	3,662	550
Valparaiso	WPC-NEBR-100	S STP, OF	44,328	13,298	394
Wayne	WPC-NEBR-105	S Int, LS, FM, WSL, OF	98,090	29,427	4,217
Western	WPC-NEBR-57	S STP, OF	35,112	9,323	434
Wilber	WPC-NEBR-34	S STP, LS	75,531	22,659	1,356
Wilcox	WPC-NEBR-89	S Int, WSL	10,143	3,043	300
			$10,972,828	$2,631,765	449,778

TABLE V 1/

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF IOWA

April, 1964

Applicant	Project No.		Type of Treatment Facility	Eligible Cost	Federal Grant	Population
Anita	Iowa-192	S	OF, WSL	$ 107,500	$ 32,250	1,233
Bellevue	Iowa-179	S	STP, INT, PS, & OF	118,444	35,530	2,087
Boyden	Iowa-162	S	LS, FM, WSL	49,900	14,970	561
Burt	Iowa-197	S	STP, LS, FM & OF	73,000	21,900	620
Carter Lake	Iowa-174	S	INT	12,000	3,600	2,287
Cedar Falls	Iowa-151	S	STP exp.	843,250	250,000	21,195
Clermont	Iowa-181	S	STP & OF	80,967	24,290	570
Clinton	Iowa-155	P	PTP & INT	2,861,000	250,000	33,589
Dike	Iowa-180	S	STP & OF	76,049	22,814	630
Denver	Iowa-196	S	INT, LS, FM & WSL	84,000	25,000	831
Elkader	Iowa-158	P	PTP & INT	99,927	29,978	1,526
Fort Dodge	Iowa-202	S	STP imp. & INT	940,000	282,000	28,399
Fort Madison	Iowa-203	P	PTP & INT	541,500	162,450	15,340
Fredericksburg	Iowa-184	S	STP, LS & OF	249,040	74,700	797
Gladbrook	Iowa-173	S	WSP, INT, LS & FM	61,000	18,300	949
Glenwood	Iowa-157	S	STP, INT, PS, OP	649,700	194,910	4,738
Goldfield	Iowa-154	S	INT, PS, FM, WSL	154,000	46,200	682
Greenfield	Iowa-186	S	STP imp.	169,409	50,822	2,243
Guthrie	Iowa-195	S	STP alt. & imp.	150,000	45,000	2,071
Guttenberg	Iowa-175	P	INT, LS, PTP	105,255	30,536	2,087
Hospers	Iowa-96	S	LS, FM, WSP	59,466	22,162	604
Independence	Iowa-189	S	STP imp.	196,070	58,821	5,498
Inwood	Iowa-165	S	INT & WSL	25,000	7,500	638
Keokuk	Iowa-194	S	INT, PS & FM	552,000	165,600	16,316
Lenox	Iowa-142	S	WSL	57,400	17,214	1,178
Linn Grove	Iowa-84	S	WSL	15,000	4,500	300

TABLE V (cont'd.)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF IOWA April, 1964

Applicant	Project No.		Type of Treatment Facility	Eligible Cost	Federal Grant	Population
McGregor	Iowa-187	P	INT, LS & PTP	$ 125,250	$ 37,575	1,040
Marquette	Iowa-178	P	INT, LS & PTP	125,250	37,575	572
Mondamin	Iowa-172	S	LS, FM & WSL	58,000	17,400	436
Muscatine	Iowa-182		INT, PS, OF	1,001,000	250,000	20,997
Muscatine	Iowa-199	P	PTP, FM & OF		297,000	
Newell	Iowa-185	S	STP ext.	93,200	30,000	893
New Hampton	Iowa-177	S	STP, PS, FM	330,944	99,283	3,456
Pleasantville	Iowa-198	S	INT, WSL	100,174	27,600	1,025
Renwick	Iowa-164	S	STP & INT	95,442	25,176	477
Ryan	Iowa-204	S	LS, WSL	61,931	18,570	320
Shenandoah	Iowa-160	S	STP, PS, & OF	480,000	142,978	6,567
Sioux City	Iowa-114	S	LS, INTs, STP ext.	7,199,488	250,000	89,991
Sioux City	Iowa-190	S	LS	1,198,300	250,000	
Spillville	Iowa-200	S	STP, INT & OF	68,710	20,610	400
Steamboat Rock	Iowa-171	S	INT, LS	67,075	20,122	395
Story City	Iowa-168	S	STP imp.	117,790	35,387	1,773
Tabor	Iowa-188	S	STP imp. & ext.	79,184	26,417	901
Waterloo	Iowa-152	S	STP imp.	538,000	161,400	72,687
Waukon	Iowa-201	S	STP	571,934	171,570	3,639
Waverly	Iowa-183	S	STP imp.	167,360	50,208	6,357
Webster City	Iowa-176	S	STP EXT	270,000	81,000	8,520
Whiting	Iowa-193	S	LS, FM & WSL	59,000	17,700	595
				$21,084,009	$ 3,958,568	431,079

TABLE V (Continued)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF KANSAS April, 1964

APPLICANT	PROJECT NO.		TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Abilene	WPC-KANS-95	S	STP	$406,800	$122,040	7,000
Alden	WPC-KANS-133	S	WSL & appurt.	59,570	17,850	246
Altamont	WPC-KANS-82	S	STP, WSL, PS, FM	74,319	22,295	686
Americus	WPC-KANS-156	S	LS, FM, WSL	44,000	13,200	285
Arma	APW-KANS-906	S	OF, WSL	60,100	30,050	1,296
Assaria	WPC-KANS-79	S	STP, PS, WSL	44,000	13,200	311
Bentley	WPC-KANS-109	S	PS. FM. WSL	41,229	12,368	185
Carbondale	WPC-KANS-153	S	LS, OF, WSL	48,148	14,430	842
Collyer	WPC-KANS-125	S	OF, LS, WSL	70,900	21,270	249
Courtland	WPC-KANS-111	S	PS, FM, STP	46,000	16,800	384
Cullison	WPC-KANS-112	S	STP, appurt, OF	80,740	24,222	118
Dighton	WPC-KANS-147	S	WSL, OF	88,176	26,430	1,600
Emporia	WPC-KANS-148	S	STP imp.	404,000	116,370	18,790
Everest	WPC-KANS-138	S	LS, FM, Int, WSL	131,950	18,150	400
Eskridge	WPC-KANS-157	S	LS, FM, OF, WSL	76,000	22,800	507
Fordq	WPC-KANS-114	S	OF, LS, WSL	75,820	22,746	242
Haysville	WPC-KANS-72	S	FM, LS, WSL	178,000	53,400	6,250
Hiawatha	WPC-KANS-131	S	LS, FM, OF	65,095	19,528	3,391
Huron	WPC-KANS-139	S	OF, STP	25,174	7,530	124
Kansas City(TurkeyCrk.)	WPC-KANS-107	S	Int	143,678	43,103	129,000
Kansas City(Cent.Ind)	WPC-KANS-132	S	Int, LS, FM	1,177,040	363,245	129,000
Kansas City	WPC-KANS-136	S	STP, OF	189,129	56,730	129,000
Kansas City(Armourdale)	WPC-KANS-151	S	Int	1,645,177	600,000	129,000
Kinsley	WPC-KANS-123	S	PS, WSL	97,400	25,331	2,263
Kiowa	WPC-KANS-120	S	STP, WSL	69,282	19,186	1,674
Kirwin	WPC-KANS-164	S	LS, FM, WSL	57,436	17,220	356
Leavenworth	WPC-KANS-58	P	STP	468,082	81,347	23,025
Lebo	WPC-KANS-126	S	OF, WSL	32,500	9,750	542
Leonardville	WPC-KANS-115	S	Int, WSL	30,000	7,763	378
Lindsborg	WPC-KANS-141	S	Alt to STP	172,350	51,690	2,335
Longford	WPC-KANS-116	S	Int, WSL	33,100	9,930	146

TABLE V (Continued)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF KANSAS April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Louisburg	WPC-KANS-117	S STP, LS, FM	$ 75,199	$ 22,559	862
Luray	WPC-KANS-118	S OF, LS, FM, WSL	46,600	12,454	345
Milford	WPC-KANS-135	S LS, WSL	47,035	14,130	360
McLouth	WPC-KANS-127	S STP, OF	41,600	12,480	486
McCune	APW-KANS-907	S WSL, Int, OF	43,700	21,850	433
Mount Hope	WPC-KANS-102	S LS, FM, WSL	43,140	10,324	539
Ness City	WPC-KANS-167	S STP	184,815	55,440	1,717
Norton	WPC-KANS-155	S Int, STP	320,000	96,000	3,691
Osage City	WPC-KANS-137	S Int, STP	170,000	51,000	2,213
Paola	WPC-KANS-128	S WSL, PS, FM	277,400	83,220	4,784
Ramona	WPC-KANS-142	S PS, FM, WSL	30,000	9,000	164
Reading	WPC-KANS-143	S Int, WSL	25,900	7,770	258
Republic	WPC-KANS-144	S FM, WSL, PS	41,200	12,360	333
Richmond	WPC-KANS-154	S Int, LS, FM, WSL	50,300	15,090	369
Riley	WPC-KANS-103	S STP, Int, PS, FM, WSL, OF	56,062	15,505	600
Salina	WPC-KANS-100	S STP	910,000	250,000	43,202
Seneca	WPC-KANS-150	S Int, FM, WSL, PS	124,000	37,200	2,072
Shawnee & Mission Twp.	WPC-KANS-74	S STP	676,000	170,000	18,000
Tescott	WPC-KANS-145	S FM, WSL, PS	40,000	12,000	396
Tipton	WPC-KANS-129	S PS, FM, WSL	41,100	7,905	252
Topeka	WPC-KANS-121	S Int, STP	819,385	245,815	119,484
Uniontown	WPC-KANS-146	S OF, STP	33,400	10,020	247
WaKeeney	WPC-KANS-122	S STP	142,857	42,840	2,769
Westmoreland	WPC-KANS-119	S OF, WSL	40,192	11,030	430
Wingfield	WPC-KANS-124	S STP	301,062	90,318	11,117
Wyandotte Township	WPC-KANS-77	P STP	184,678	52,975	2,000
Wyandotte Township	WPC-KANS-99	P STP	400,284	113,450	11,600
			$11,301,104	$3,362,709	431,343

TABLE V (cont'd.)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF MISSOURI April, 1964

Applicant	Project No.		Type of Treatment Facility	Eligible Cost	Federal Grant	Population
Albany	Mo-226	S	WSL, PS, FM	$ 64,500	$ 19,350	1,662
Alton	Mo-APW-199	S	OF & STP	44,600	22,300	676
Annapolis	APW-Mo-241	S	STP, OF & FM	102,600	7,300	360
Arcadia	APW-Mo-220	S	FM, LS & Appur.	8,300	4,158	489
Archie	APW-Mo-229	S	STP, OF, LS, FM	26,000	13,000	348
Belton	Mo-198	S	LS, FM & WSL	172,700	51,810	4,869
Bethany	Mo-240	S	PS, WSL	104,500	30,960	2,771
Boonville	Mo-227	S	INT, FMs, PSs & STP	567,500.	170,250	7,090
Branson	APW-Mo-202	S	STP exp.	152,776	76,388	1,887
Brookfield	Mo-207	S	WSL, LS & FM's	110,000	33,000	5,694
Cabool	APW-Mo-169	S	STP imp.	179,435	89,717	1,304
Camdenton	Mo-135	S	LS, FM, IS, WSL	214,740	64,422	1,142
Cape Girardeau	APW-Mo-128	S	STP, OF, FM's, PS's	1,619,790	809,895	24,947
Charleston	Mo-138	S	2 LS's & FM	25,000	6,590	5,913
Claycomo	Mo-181	S	PSs, FMs, I, STP imp. & WSL	59,412.	15,127	1,457
Columbia	Mo-164	S	Is, PSs, FMs, STP imp. & WSLs	363,028	125,400	36,650
Corder	APW-Mo-64	S	ST Fac., OF & INT	50,300	25,150	506
Cuba	Mo-186	S	WSL & INT	35,415	10,624	1,672
Desloge	Mo-40	S	LS, FM, WSL, OF	145,833	42,816	2,316
Dixon	Mo-204	S	WSL & INT	53,200	15,960	1,473
Doniphan	APW-Mo-208	S	3 LSs, FMs, WSL & OF	103,400	51,700	1,421
Ellington	APW-Mo-211	S	WSL, LS & FM	32,400	16,200	812
Eminence	APW-Mo-209	S	LS, FM & WSL	54,260	27,130	516
Esther	APW-Mo-213	S	WSL, OF, LS & FM	49,100	24,550	1,030
Excelsior Springs	Mo-68	S	OF, LS, INT, WSL	540,000	162,000	5,888
Festus	Mo-101	P&S	OF, LS, FM, pri. STP	323,300	96,990	7,021
Flat River	APW-Mo-206	S	ST fac.	300,000	150,000	4,515
Gainesville	APW-Mo-216	S	OF & STP	25,000	12,500	295
Garden City	APW-Mo-239	S	ST fac. & OF	64,000	32,000	600
Green City	Mo-194	S	WSL, INT, FM & LS	40,000	11,810	628

TABLE V (cont'd.)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF MISSOURI April, 1964

Applicant	Project No.	Type of Treatment Facility	Eligible Cost	Federal Grant	Population
Kansas City	Mo-131	S PS	$ 3,430,083	$ 600,000	
Kansas City	Mo-157	S INT	898,117	250,000	
Kansas City	Mo-161	S PS & FM	1,200,000	250,000	
Kansas City	Mo-165	S WSL, INT, PS	888,875	44,322	
Kansas City	Mo-201	S INT, PS & WSL	2,550,000	600,000	475,578
Kearney	Mo-129	S WSL, LS, & FMs	58,500	17,550	678
Lathrop	Mo-103	S WSL	34,900	10,470	1,006
Lawson	APW-Mo-215	S INT, LS, FM & WSL	64,400	32,200	788
Lee's Summit	Mo-119	S WSL, LS, FM & INT	1,018,000	250,000	7,399
Lexington	APW-Mo-134	S STP	195,924	97,962	4,845
Liberty	Mo-66	S WSLs, LSs, FMs & INT	1,055,330	223,075	8,909
Lake Lotawana	Mo-203	S INTs, LS, FM, & WSL	215,900	64,770	1,530
Metropolitan St. Louis Sewer District (Coldwater Creek)	Mo-192	S STP & INT	5,369,900	600,000	110,400
Metropolitan St. Louis Sewer District	Mo-30	S INT	1,047,421	250,000	
Miller	Mo-222	S OF, LSs, FMs, WSL	41,400	12,420	601
Moberly	APW-Mo-237	S OF	32,050	16,000	13,170
New London	APW-MO-219	S LS, FM, INTs, WSLs, OF	51,100	24,500	875
North Kansas City	Mo-117	P LS, FM, INTs & pri. STP	1,770,000	531,000	5,657
Odessa	Mo-166	S STP imp., INTS, LS, FM	79,570	23,871	2,034
Pevely	Mo-148	S WSL, OF	39,582	9,118	416
Purdy	APW-Mo-234	S OF, PS, WSLs	35,900	23,400	467
St. Joseph	Mo-46	S STP & PS	2,532,800	600,000	79,673
St. Joseph	Mo-158	S INT & WSL	197,955	59,386	
St. Joseph	Mo-168	P Pri. STP, INTs, OF	1,603,977	250,000	
Southwest City	APW-Mo-225	S WSL, LS & FM	26,000	10,650	504
Springfield	Mo-210	S STP alt. & imp.	237,300	51,060	96,905
Van Buren	APW-Mo-236	S L, LS & FM	53,340	26,670	575
Waverly	APW-Mo-191	S ST fac., LS, FM, INT & OF	86,600	43,300	837
Webb City	Mo-73	S INT, WSL, OF	264,000	79,200	6,740

TABLE V (cont'd.)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF MISSOURI April, 1964

Applicant	Project No.	Type of Treatment Facility		Eligible Cost	Federal Grant	Population
Wellington	APW-Mo-214	S	LS, FM, L & OF	$ 40,000	$ 18,500	651
West Plains	APW-Mo-217	S	INT, & Ls	640,685	320,342	5,839
Willow Springs	Mo-187	S	OF, LS, FMs & WSL	129,774	38,932	1,912
				$31,520,472	$ 7,647,795	953,841

TABLE V (Continued)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Albion	APW-WPC-NEBR-135	P Int, PS, FM STP, OF	$105,800	31,500	1,982
Alexandria	WPC-NEBR-121	S LS, FM, STP	49,152	14,745	257
Allen	WPC-NEBR-187	S OF, WSL, LS, FM	98,000	12,450	350
Amherst	WPC-NEBR-174	S Int, WSL	22,928	6,870	220
Arnold	WPC-NEBR-148	S Enl. STP	30,015	8,428	844
Ashland	WPC-NEBR-183	P Int, PS, FM, STP, OF	133,000	39,900	1,989
Barneston	WPC-NEBR-182	S LS, FM, WSL	18,200	5,310	177
Bellwood	WPC-NEBR-133	S LS, FM, WSL	27,052	8,115	361
Boelus	WPC-NEBR-176	S LS, FM, STP	38,680	11,580	181
Brady	WPC-NEBR-132	S LS, FM, WSL	28,000	8,400	270
Bridgeport	WPC-NEBR-159	S OF, STP	109,500	31,740	1,650
Brock	WPC-NEBR-168	S FM, WSL, PS	22,700	6,810	210
Broken Bow	WPC-NEBR-79	S STP, OF	209,781	62,934	3,474
Burr	WPC-NEBR-128	S Int, WSL	12,787	3,201	89
Chadron	WPC-NEBR-103	S Int WSL	129,900	38,970	5,080
Comstock	WPC-NEBR-120	S LS, OF, WSL	23,411	6,577	235
Cordova	WPC-NEBR-130	S PS, FM, WSL	18,884	5,222	152
Culbertson	WPC-NEBR-131	S Int, LS	54,900	16,470	803
Dannebrog	WPC-NEBR-164	S Int, FM, WSL, PS	22,088	11,000	280
Davey	WPC-NEBR-181	S WSL	34,343	4,350	120
Douglas	WPC-NEBR-119	S OF, LS, FM, WSL	15,246	4,574	213
Ericson	WPC-NEBR-175	S PS, FM, STP	11,545	11,520	157
Farwell	APW-WPC-NEBR-144	S OF, WSL	12,600	6,300	135
Fort Crook	WPC-NEBR-190	S LS, FM	37,750	11,310	
Freemont	WPC-NEBR-179	P STP	1,785,000	112,811	20,500
Fullerton	WPC-NEBR-137	S PS, FM, Int, WSL	109,868	27,192	1,475
Genoa	APW-WPC-NEBR-138	S PS, FM, WSL, OF	23,500	7,050	1,010
Gibbon	APW-WPC-NEBR-127	S PS, FM, WSL	71,100	35,550	1,083
Grafton	WPC-NEBR-172	S WSL	27,200	7,320	171
Grand Island	WPC-NEBR-185	S STP, OF	1,992,400	597,720	25,742
Hardy	WPC-NEBR-186	S Int, LS, FM, WSL	74,197	5,010	285

TABLE V (Continued)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.		TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
Hastings	WPC-NEBR-151	S	OF	$194,900	$ 58,470	
Hordville	WPC-NEBR-177	S	Int, LS, FM, WSL	22,300	6,690	128
Hershey	WPC-NEBR-124	S	Int, LS, WSL	37,800	11,340	504
Humphrey	WPC-NEBR-155	S	OF, WSL	26,800	6,910	801
Hooper	WPC-NEBR-166	P	PS, FM, STP	69,700	20,910	832
Lincoln	WPC-NEBR-189	S	LS, WSL	181,755	47,400	128,521
Malcolm	WPC-NEBR-126	S	OF, LS, STP	23,487	7,046	116
Marquette	WPC-NEBR-115	S	PS, FM, WSL	20,715	5,511	210
Millard	WPC-NEBR-98	S	Int, STP	254,957	73,500	1,014
Morrill	WPC-NEBR-149	S	WSL	24,200	7,260	880
Nelson	WPC-NEBR-153	S	LS, FM, WSL	27,200	8,160	695
Oconto	WPC-NEBR-112	S	Int, PS, FM, WSL	16,758	5,452	219
Omaha (Hascall)	WPC-NEBR-45		Int	521,329	142,130	251,177
Omaha (Monroe)	WPC-NEBR-83		Int	1,015,000	250,000	300,674
Omaha (Mo. River)	WPC-NEBR-84	P	STP	9,216,950	250,000	300,674
Omaha (South Int)	WPC-NEBR-117		LS, FM, Int	6,730,657	600,000	300,674
Ord	WPC-NEBR-141	S	LS, FM, WSL	127,512	38,253	2,410
Orleans	WPC-NEBR-108	S	WSL	27,951	7,103	608
Panama	WPC-NEBR-161	S	OF, WSL	10,200	3,060	155
Pender	WPC-NEBR-167	S	OF, LS, FM, WSL	70,000	20,400	1,100
Pickrell	WPC-NEBR-125	S	Int, LS, STP	26,288	7,886	130
Pierce	WPC-NEBR-152	S	STP, appurt.	59,000	20,100	1,216
Pleasanton	WPC-NEBR-171	S	PS, WSL	26,962	8,100	200
Ravenna	WPC-NEBR-143	S	PS, FM, WSL, OF	86,343	25,903	1,417
Rockville	WPC-NEBR-180	S	OF, LS	24,434	7,320	153
Roseland	WPC-NEBR-154	S	WSL, OF	15,600	4,680	163
Ruskin	WPC-NEBR-173	S	Int, WSL	15,700	4,680	203
St. Edward	APW-WPC-NEBR-139	S	PS, FM, WSL, OF	36,600	10,980	780
San & Imp Dist #4	WPC-NEBR-107	S	Int, STP	282,901	76,377	2,496
San & Imp Dist #31	WPC-NEBR-129	S	STP, LS, FM	219,300	65,790	2,208
San & Imp Dist #116	WPC-NEBR-158	S	LS, FM	52,100	15,630	1,044
Scottsbluff	WPC-NEBR-99	S	Int, LS, WSL	833.333	250,000	13,377

TABLE V (Continued)

FEDERALLY AIDED TREATMENT PROJECTS ACTIVE - STATE OF NEBRASKA

APPLICANT	PROJECT NO.	TYPE OF TRT. FACILITY	ELIGIBLE COST	FEDERAL GRANT	POP.
South Sioux City	WPC-NEBR-169	S PS, Int	$195,000	$ 58,500	7,248
Spalding	WPC-NEBR-145	S LS, Int, WSL, OF	48,500	14,550	683
Stapleton	WPC-NEBR-188	S OF	10,900	3,270	359
Swanton	WPC-NEBR-157	S Int, LS, WSL	19,900	5,760	190
Syracuse	WPC-NEBR-146	S PS, WSL	43,500	13,050	1,261
Taylor	WPC-NEBR-134	S Int, LS, WSL, OF	27,944	8,383	280
Tecumseh	WPC-NEBR-156	S OF, LS, FM, WSL	134,760	40,428	1,887
Tekamah	WPC-NEBR-150	S LS, FM, WSL, OF	92,600	27,780	1,788
Trenton	WPC-NEBR-106	S LS, FM, WSL	54,718	16,626	914
Union	WPC-NEBR-178	S LS, FM, WSL	32,700	9,810	309
Walthill	WPC-NEBR-170	S STP, FM, Int, PS	40,410	26,940	850
West Point	WPC-NEBR-191	P STP	129,500	38,850	3,000
Winnebago	WPC-NEBR-165	S FM, WSL, OF, PS	47,810	14,340	682
Wisner	WPC-NEBR-160	S LS, FM, OF, WSL	83,000	24,900	1,192
Wood River	WPC-NEBR-163	S OF, LS	26,000	7,800	828
York	WPC-NEBR-74	S STP	322,400	83,820	6,173
			$26,957,901	$3,622,777	810,564

TABLE VI

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF IOWA April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Akron		$100,000	$ 30,000	1,351
Anamosa		328,500	98,550	4,616
Blenco		28,000	8,400	286
Carrol	WPC-IOWA-130	280,000	84,000	7,635
Charles City		933,000	280,000	9,964
Chillicothe	WPC-IOWA-104	8,800	2,600	196
Cincinnati	APW-IOWA-191	30,000	15,000	583
Coralville		666,000	200,000	2,357
Clinton		2,195,000	600,000	33,589
Denison		1,000,000	300,000	4,930
Des Moines		2,400,000	600,000	208,982
Dyersville		102,000	30,600	2,818
Ely	WPC-IOWA-113	57,100	17,100	226
Evansdale		440,000	132,000	5,738
Fairbank	WPC-IOWA-93	93,500	28,000	653
Fairfield		261,000	78,300	8,054
Fostoria	WPC-IOWA-90	27,200	8,100	147
George	WPC-IOWA-140	38,700	11,600	1,200
Graettinger		100,000	30,000	879
Hawarden		290,000	87,900	2,544
Hills	WPC-IOWA-105	90,300	27,100	248
Humboldt		304,000	91,200	4,031
Humeston		49,900	14,900	638
Iowa City		850,000	255,000	33,443
Keokuk		687,000	206,100	16,316
Lakeside		33,300	10,000	306
Lehigh		50,000	15,000	846
Lemars		265,000	79,500	6,767
Monana		163,300	49,000	1,346
Mount Pleasant	WPC-IOWA-46	250,000	75,000	5,843

TABLE VI (Continued)

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF IOWA April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Neola	WPC-IOWA-135	$ 22,500	$ 6,750	871
New Hartford	WPC-IOWA-120	59,000	17,700	584
Oskaloosa	WPC-IOWA-99	154,300	46,300	11,124
Riceville	WPC-IOWA-132	87,000	26,100	962
Sabula		65,000	19,500	894
Sheffield	WPC-IOWA-48	143,300	43,000	1,163
Shellsburg	WPC-IOWA-139	71,250	21,375	625
Spragueville	WPC-IOWA-206	20,000	6,000	110
St. Ansgar		67,000	20,100	1,014
Storm Lake		500,000	150,000	7,728
Stratford		40,000	12,000	703
Sully		103,300	31,000	508
Urbandale S. D.		400,000	120,000	5,821
Walker	WPC-IOWA-141	74,250	22,275	585
Waterloo		936,000	360,000	71,755
Waucoma	WPC-IOWA-49	43,400	13,000	385
		$14,907,900	$4,380,050	471,364

TABLE VI

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF KANSAS April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Alden	APW-KANS-910	$ 59,570	$ 29,785	246
Bel Air	WPC-KANS-152	148,000	44,400	1,083
Bennington	WPC-KANS-161	62,000	18,600	665
Burdett	WPC-KANS-161	65,600	19,680	600
Coffeyville	APW KANS-911	08,000	54,000	17,935
Conway Springs	WPC-KANS-171	48,857	12,857	1,057
Dorrance		38,900	11,670	300
Galena	APW-KANS-913	165,660	82,830	4,000
Garden	APW-KANS-914	61,800	30,900	864
Garnett	WPC-KANS-149	212,496	63,750	3,100
Inman		55,000	16,500	729
Kansas City(Fairfax)		388,587	116,576	121,901
Kansas City		3,875,875	600,000	121,901
Lancaster		42,010	12,603	450
Linwood		40,000	12,000	466
Maple Hill		48,975	14,692	550
Morland		94,200	28,260	870
Oakley		250,565	75,169	2,190
Partridge		52,300	15,690	670
Princeton		27,830	8,349	280
Raymond	APW-KANS-912	49,950	24,975	170
Shawnee	APW-KANS-	367,760	110,328	9,072
Topeka	WPC-KANS-159	572,000	171,600	119,484
Walnut		67,898	20,369	401
		$6,903,833	$1,595,583	287,083

TABLE VI

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Advance	WPC-MO-205	$ 44,772	$ 13,431	692
Auxvasse	WPC-MO-246	49,450	14,835	534
Ballwin	WPC-MO-112	2,150,000	250,000	5,710
Bell City	WPC-MO-195	15,460	4,638	409
Bismarck	APW-MO-230	61,275	30,637	1,237
Bloomfield	WPC-MO-248	40,000	12,000	1,330
Bucklin	WPC-MO-33	147,000	11,169	639
Caruthersville	APW-MO-238	323,500	161,750	8,640
Crystal City	WPC-MO-188	203,000	60,900	3,678
Dexter	WPC-MO-146	157,000	35,100	5,680
Elvins	APW-MO-252	106,500	53,250	1,800
Galena	APW-MO-38	40,000	20,000	389
Gideon	WPC-MO-63	218,000	22,105	1,411
Gladstone	WPC-MO-183	576,730	173,019	2,400
Hardin	APW-MO-224	35,000	17,500	727
Hartville	APW-MO-228	40,000	12,000	486
Hayti	APW-MO-81	87,050	43,525	3,750
Jefferson City	APW-MO-235	980,000	294,000	28,228
Jefferson City	WPC-MO-255	432,900	129,870	28,228
Jefferson City	WPC-MO-256	1,353,800	406,140	28,228
Kansas City	WPC-MO-132	649,000	194,700	
Kansas City	WPC-MO-140	1,432,000	250,000	
Kansas City	WPC-MO-141	700,000	210,000	
Kansas City	WPC-MO-142	825,000	249,300	
Kansas City	WPC-MO-143	1,932,000	579,600	
Kansas City	WPC-MO-144	2,754,000	600,000	
Kansas City	WPC-MO-145	198,000	59,400	
Kansas City	WPC-MO-170	820,000	250,000	
Kennett	WPC-MO-23	262,000	78,600	9,098
Kingsville	WPC-MO-95	30,441	8,412	311
La Belle	WPC-MO-253	56,666	17,000	866

TABLE VI (Continued)

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
La Plata	WPC-MO-260	$ 12,350	$ 3,705	1,365
Maitland	WPC-MO-259	33,768	10,130	427
Marionville	WPC-MO-261	61,107	18,332	1,251
Marble Hill	APW-MO-231	36,120	18,060	497
Mayview	APW-MO-212	42,278	21,139	500
Mexico	WPC-MO-171	756,000	169,956	12,889
Moberly	APW-MO-243	18,200	9,100	13,170
Monett	APW-MO-185	240,200	120,100	5,359
New Haven	WPC-MO-249	91,500	45,750	1,223
Noel	APW-MO-223	87,000	43,500	736
Orrick	APW-MO-221	36,000	18,000	800
Otterville	WPC-MO-232	37,400	11,220	416
Pattonsburg	WPC-MO-250	34,265	10,265	753
Peculiar	WPC-MO-247	20,500	6,150	458
Piedmont	APW-MO-190	67,004	33,502	1,555
Platte City	WPC-MO-189	795,000	238,500	1,188
Rich Hill	WPC-MO-245	42,955	12,880	1,699
Salisbury	WPC-MO-251	31,200	9,360	1,787
Seligman	APW-MO-254	56,000	28,000	400
Scott City	WPC-MO-155	34.160	10,260	200
Seneca	WPC-MO-108	48,200	14,460	1,478
Sugar Creek, M.S.D.	WPC-MO-257	171,800	51,540	2,663
Sweet Springs	WPC-MO-244	73,000	21,900	1,452
St. Clair	APW-MO-77	482,000	190,000	2,711
St. Joseph	WPC-MO-150	1,125,000	337,000	79,673
St. Joseph	WPC-MO-151	1,935,000	580,500	79,673
St. Joseph	WPC-MO-152	230,000	69,000	79,673
St. Joseph	WPC-MO-159	122,000	36,600	79,673
St. Joseph	WPC-MO-160	55,000	16,500	79,673
Union	WPC-MO-137	12,720	3,816	3,978

TABLE VI (Continued)

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF MISSOURI April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Valley Park	WPC-MO-34	270,500	81,150	3,447
Versailles	APW-MO-242	108,200	32,500	2,047
Washington	APW-MO-233	636,000	318,000	7,961
Wentzville	WPC-MO-258	68,022	20,407	2,742
Metropolitan S. D. St. Louis (4 Grants)		92,506,000	2,400,000	750,026
		$116,158,893	$9,274,163	1,458,405

TABLE VI

PROPOSED FEDERALLY AIDED WASTE TREATMENT PROJECTS - STATE OF NEBRASKA April, 1964

APPLICANT	PROJECT NO.	EST. ELIGIBLE COST	EST. FEDERAL GRANT	POP.
Auburn	WPC-NEBR-	$130,000	$ 39,000	3,500
Avoca	WPC-NEBR-	28,000	8,400	220
Beaver Crossing	WPC-NEBR-	55,700	16,110	450
Bloomfield	WPC-NEBR-	50,000	15,000	1,350
Chapman	WPC-NEBR-	30,300	9,100	300
Clarkson	WPC-NEBR-	67,250	20,025	800
Denton	WPC-NEBR-	13,500	4,050	100
Dodge	WPC-NEBR-	51,000	18,500	650
Dunbar	WPC-NEBR-	31,000	6,300	235
Dwight	WPC-NEBR-	12,600	3,800	210
Elba	APW-NEBR-	14,000	4,050	185
Geneva	WPC-NEBR-	59,000	17,700	2,400
Howells	WPC-NEBR-	54,800	14,640	700
Humboldt	WPC-NEBR-	80,000	24,000	1,325
Leigh	WPC-NEBR-	50,000	15,000	500
Lincoln	WPC-NEBR-	1,950,000	585,000	150,000
Oakdale	WPC-NEBR-	45,300	13,440	400
San Imp Dist #184	WPC-NEBR-	204,720	61,416	10,500
Springview	WPC-NEBR-	26,000	7,800	280
Valentine	WPC-NEBR-	167,625	49,980	3,000
Valley	WPC-NEBR-	137,000	41,100	1,500
Wahoo	WPC-NEBR-	200,000	60,000	3,600
Winslow	WPC-NEBR-	22,200	6,600	135
		$3,479,995	$1,041,011	182,340

APPENDIX D

ENFORCEMENT

APPENDIX D

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WATER QUALITY OBJECTIVES

Present water uses, increased usability due to improved water quality, and protection of water rights and property values largely determine pollution control measures needed. The goal of water pollution control programs is to preserve water quality to best serve these interests.

The Engineering Section of the Missouri Basin Health Council, consisting of the chief sanitary engineers of the 10 Basin States, adopted on February 27, 1952, objectives* as a guide for water pollution control programs in the Basin. The tentative guide has been employed by the States in the development of their comprehensive program as presented in this report. It is recognized by the States that changes in conditions, particularly as they may affect water uses, and alterations in types of water uses, may require future moderations in any established standards. The tentative objectives as adopted by the States of the Basin are quoted as follows:

> "Subject to (a) such higher objectives as may be desired by any State and (b) such other modification as may be deemed necessary, after appropriate investigation, by the State Water Pollution Control Agency concerned, the Engineering Section, Missouri Basin Health Council recommends the following for consideration by the member States as a tentative guide for water pollution control activities in the Missouri Drainage Basin:
>
> 1. Toxic substances including metallic ions, phenolic compounds, oils, alkalies, and acids should be virtually eliminated from sewage effluents.
>
> 2. Removal of settleable and floating solids to prevent sludge banks, floating materials, and nuisance conditions should be required as the minimum acceptable treatment.
>
> 3. For industrial wastes similar in nature to municipal wastes, treatment should be based on the same premise as recommended for municipalities. For industrial wastes not comparable to municipal wastes, treatment should be provided as necessary to prevent deterioration of water quality for beneficial uses in the receiving stream.
>
> 4. Additional treatment over that specified in item 2 above should be provided as necessary to protect downstream water uses. Quality objectives for certain water uses are:
>
>   (a) For water serving as a source of domestic supply, raw water bacteriological quality should conform to that recommended in "Manual of Recommended Water Sanitation Practices, 1946, Public Health Bulletin # 296," pages 11-13.

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* Action by Engineering Section, Missouri Basin Health Council on Jan. 7, 1954, reaffirmed the Guide and eliminated the qualification "tentative".

(b) 'For bathing or swimming waters, monthly arithmetical average 'most probable number' of coliform organisms should not exceed 1,000 per 100 ml. during any month of the recreation season; nor exceed this number in more than 20 percent of the samples examined during any such month; nor exceed 2,400 per 100 ml. on any day. For nonbathing or nonswimming waters, the monthly arithmetical average 'most probable number' of coliform orgainsms should not exceed 5,000 per 100 ml. in any month of the recreational season, nor should exceed this number in more than 20 percent of the samples examined during any such month.'

(c) For fish and aquatic life a minimum oxygen concentration of 5.0 ppm. is desirable in waters otherwise offering suitable fishery habitat, with 6.0 ppm. for trout streams.

(d) For bacteriological quality of irrigation water:

(1) Sewage used for irrigation of forage crops should be given treatment insuring a consistent reduction in coliform bacterial of not less than 90 percent.

(2) Sewage used for irrigation of human food crops should be given treatment insuring a consistent reduction (a) in suspended solids of not less than 75%, (b) in 5 day 20°C. B.O.D. of not less than 75% and (c) in coliform bacteria of not less than 98 percent, unless discharged into a stream where the volume of dilution water, available during the low flow periods during which irrigation diversions may occur, is at least 10 times greater than the anticipated maximum daily volume of sewage, in which case a bacterial reduction of 90 percent may be acceptable.

Provided, however, thatwhere the time of passage from plant discharge to irrigation diversion is such as to permit the normal death rate of bacterial as evidenced by the die-away curve to provide equivalent bacterial reduction, the requirements of (1) and (2) above may be appropriately modified."

Summary of Conference

POLLUTION OF INTERSTATE WATERS OF BIG BLUE RIVER (NEBRASKA-KANSAS)

The Big Blue River is one of the major streams of the Kansas River Basin. It rises in southeast Nebraska and flows southeasterly to form a junction with the Little Blue River below Waterville, Kansas.

On the basis of reports, surveys and studies the Surgeon General, having reason to believe that pollution of the Big Blue River caused by discharges of untreated and inadequately treated sewage by municipalities in Nebraska is endangering the health and welfare of persons in Kansas, a State other than that in which the discharges originate, called a conference on the matter of pollution of interstate waters of the Big Blue River (Nebraska-Kansas). The conference was held on May 3, 1957, at 10:00 a.m. in the Council Chamber, Municipal Auditorium, 4th and Ella Streets, Beatrice, Nebraska.

The following conferees representing the State water pollution control agencies of Nebraska and Kansas and the Public Health Service attended the conference:

Leonard B. Dworsky	U. S. Public Health Service Kansas City, Missouri
Sidney Edelman	Office of the General Counsel U. S. Dept. of Health, Education and Welfare
T. A. Filipi	Nebraska State Department of Health
Carl F. Hodgkinson	Kansas State Board of Health
Glen J. Hopkins	U. S. Public Health Service Kansas City, Missouri
Dwight F. Metzler	Kansas State Board of Health
Murray Stein, Chairman	Public Health Service Washington, D. C.

Also participating in the conference were the following representatives of the City of Beatrice, Nebraska, who were invited by the Nebraska State Department of Health through the Mayor of the City of Beatrice:

Anne Carstens	City Attorney Beatrice, Nebraska
Allen Davison	Mayor Beatrice, Nebraska
George R. Miller	General Manager Board of Public Works Beatrice, Nebraska
R. L. Reins	Henningson, Durham, & Richardson, Inc. Consulting Engineers Omaha, Nebraska
W. E. Weigel	Citizen, Beatrice, Nebraska

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act (P.L. 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originates is subject to abatement.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take any remedial action which may be indicated, under State and local law.

Mr. Glen J. Hopkins, Regional Engineer, Public Health Service, Region VI, read a general statement on pollution of the interstate waters of the Big Blue River (See Exhibit FC-1 attached).

Mr. T. A. Filipi, Director, Division of Sanitation, Nebraska State Department of Health, Lincoln, Nebraska, read a statement covering activities of Nebraska communities relating to the construction of a proposed sewage treatment facility (See Exhibit NC-1 attached).

Mr. Dwight F. Metzler, Chief Engineer and Director, Division of Sanitation, Kansas State Board of Health, read a statement on the effects of interstate pollution of the Big Blue River on present and potential water uses in Kansas (See Exhibit KC-1 attached).

Allen Davison, Mayor of the City of Beatrice, announced to the conference that his city had entered into a contract with the engineering firm of Henningson, Durham, and Richardson, consulting engineers, Omaha, Nebraska, for the preparation of detailed plans and specifications for municipal treatment works. This agreement was entered into on May 2, 1957, the day before the conference.

In the light of conference discussions, the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Big Blue River (Nebraska-Kansas). Sewage and other discharges from municipalities in Nebraska are finding their way into the waters of the Big Blue River, an interstate water as defined by the Federal Act. Such discharges cause pollution of the Big Blue River so as to endanger the health and welfare of persons in Kansas, a State other than that in which the discharges originate. The effects of this pollution are contamination of the source of municipal water supply of Marysville, Kansas, and interference with the use of the Big Blue River in Kansas for industrial water supply,

irrigation, stock watering and fishing. Such pollution may interfere with the full utilization of the waters of Tuttle Creek Reservoir, a large impoundment, which is now being constructed on the Big Blue River in Kansas below Marysville. Among other things, the waters of the Tuttle Creek Reservoir will be used for irrigation and recreational purposes.

2. That the major cause of the pollution of the Big Blue River is the discharge of untreated sewage from Beatrice, Nebraska. However, other communities in Nebraska, such as Stromsburg, Ulysses, Seward, Milford, and Wilber, discharge untreated sewage to the Big Blue River and the cities of Hastings, Fairmont, Friend, and Crete in Nebraska discharge inadequately treated sewage into the river. Residual pollution from these sources also contributes to the pollution of interstate waters of the Big Blue River.

3. That the measures presently used for the disposal of sewage from the above named municipalities in Nebraska are not adequate to secure abatement of pollution of the interstate waters of the Big Blue River.

4. That the delays encountered in abatement of such pollution are due to the limited State water pollution control program now in effect in Nebraska and the consequent delay by Nebraska communities in building adequate sewage treatment works.

5. That the City of Beatrice should submit a status report on progress toward construction of an adequate waste treatment plant for that city to the Nebraska State Department of Health by December 1, 1957.

6. That the City of Beatrice should award a contract for construction of such treatment works as soon as possible after the engineering plans and specifications have been completed, but in no event later than July 1, 1958.

7. That with respect to the other sources of municipal pollution in Nebraska, the Nebraska State Health Department should undertake a vigorous campaign to secure the installation of adequate treatment facilities and report thereon periodically to the other conferees. The first of such reports is to be made on July 1, 1957, and thereafter at intervals of not more than six months until adequate remedial measures have been taken.

EXHIBIT FC-1

General Statement of Interstate Pollution in the Big Blue River

May 3, 1957

By Glen J. Hopkins, Regional Engineer,
U. S. Public Health Service, Region VI

The interstate pollution on the Big Blue River was identified in the cooperative State-Federal report (Kansas River Basin Pollution Investigation) as early as June, 1949 with respect to the Water Pollution Control Act. This report was prepared by the Public Health Service at the request of and in cooperation with the Bureau of Reclamation, the Corps of Engineers, the Kansas State Board of Health, and the Nebraska State Department of Health. The Big Blue River Basin is one of five tributary basins included in this report.

The Public Health Service prepared an "Evaluation of Interstate Pollution - Blue River Sub-basin" November 6, 1952, which was reviewed and approved by the Division of Sanitation of the Nebraska Department of Health. This report lists sources and nature of wastes of interstate pollution for the Big Blue River; these are (1) effluent from secondary treatment plant serving an estimated population of 2,000 persons at the State Home (Beatrice, Nebraska), (2) sewage and industrial wastes having estimated population equivalents of 16,000 from Beatrice, Nebraska, and (3) effluent from a secondary treatment plant serving an estimated 2,700 persons at Wymore, Nebraska. At that time, the State Home and Wymore were considered to have no treatment facilities needs, but that Beatrice needed to construct a treatment plant.

In February, 1953 the Public Health Service published "A Report of Water Pollution in the Kansas River Basin" (WP Series #38), which was prepared cooperatively by the Colorado Department of Public Health, Kansas State Board of Health, Nebraska Department of Health, and the Public Health Service. On page 50, the report states with respect to wastes from Beatrice, "Sewage and industrial wastes totaling a population equivalent of 16,000 are connected to municipal sewers. This discharge of organic material into the Blue River during periods of low flow causes localized nuisance conditions and impairs the stream for stock watering, fishing, and recreational purposes." This report recorded the change in status of the pollution problems in the basin, and made additional recommendations regarding the degree of treatment necessary for the wastes from the communities in the basin. This report recommended secondary treatment for the wastes from Beatrice, Nebraska. The interstate nature of the pollution problem in the reach of the stream below Beatrice was duly recognized.

The upstream communities such as Stromsburg, Ulysses, Seward, Milford, and Wilber discharge raw sewage to the stream. Other communities such as Hastings, Fairmount, Friend, and Crete discharge inadequately treated sewage into the stream. Residual pollution from these sources undoubtedly contribute to interstate pollution of the Blue River.

The Public Health Service, in cooperation with the ten States in the Missouri Drainage Basin, published "A Comprehensive Program for Control of Water Pollution - Missouri Drainage Basin" July, 1953. Again this report recorded that Beatrice, Nebraska needed to provide secondary treatment facilities. This report specifically pointed out the interstate nature of the pollution problem below Beatrice.

On February 19, 1954 the Executive Secretary of the Kansas State Board of

Health made a complaint in writing (a copy attached) to the Acting Director of the Nebraska State Department of Health concerning the effect of interstate pollution in the Big Blue River on the Marysville, Kansas water supply.

On June 25, 1954 at a meeting in Superior, Nebraska called by the Nebraska Department of Health and attended by representatives from communities located along the Little Blue and Republican Rivers, Mr. Dwight F. Metzler, Director and Chief Engineer, Division of Sanitation, Kansas State Board of Health, stated that reports of studies made several years ago and approved by the States concerned indicated that interstate pollution did in fact exist in the Little Blue, Big Blue, and Republican Rivers.

The Nebraska State Department of Health submitted information to the Public Health Service concerning waste treatment facilities in the State for inclusion in "Inventory of Municipal and Industrial Waste Facilities in Nebraska" - July 1, 1956. This report indicated (1) that the State Home at Beatrice operates an adequate secondary treatment plant, (2) Wymore operates an adequate secondary treatment plant, and (3) Beatrice provides no treatment of its wastes. No facilities have been built since that time, as evidenced by a letter dated March 12, 1957 from the Nebraska State Department of Health, transmitting an application for a Federal Grant for sewage treatment works for the City of Beatrice.

The U. S. Geological Survey Reports indicate that the annual flow in the Big Blue River has not increased in recent years and in fact appears to have decreased. The increase in population at Beatrice indicates that the pollution load has increased since the last field studies. These facts support the conclusion that the quality of the water in the Big Blue River has further deteriorated since the 1949 study.

Tuttle Creek Reservoir, now under construction, will provide attractive recreational facilities. This recreational use will make more necessary the safeguarding of water quality in the Blue River.

It is our opinion that the above reported information clearly indicates that interstate pollution exists in the Big Blue River and that Beatrice is the primary source of this pollution.

EXHIBIT NC-1

STREAM POLLUTION ABATEMENT
of
Beatrice, Nebraska

T. A. Filipi, Director, Division of Sanitation
State Department of Health
Lincoln, Nebraska

The municipal officials and the citizens of Beatrice, Nebraska have been cognizant of the need of treatment of sewage for several years. On many occasions this need was pointed out while addressing municipal officials, municipal boards, civic and service organizations, and church groups. Therefore, the need for treating of sewage has been stressed and in my opinion accepted by the citizens of Beatrice.

The above statements are in line with the general policy of the State Department of Health. It has been departmental policy that no sewage, without treatment, should be discharged. This policy is being well accepted because in no case do we ever hear that treatment is not necessary. It is only a matter of determining when work should start.

The need for some immediate action has been shown by the studies, conclusions, and requests indicated in the following documents:

(1) Kansas River Basin Water Pollution Investigation - Federal Security Agency, 1949.

(2) A Report of Water Pollution in the Kansas River Drainage Basin, Water Pollution Series No. 38, 1953. Federal Security Agency, Public Health Service.

(3) Letter from Dr. Thomas R. Hood, Executive Secretary, Kansas State Board of Health, Topeka, Kansas addressed to Dr. E. A. Rogers, Nebraska State Department of Health, February 19, 1954.

(4) Letter from Carl E. Schwob, Federal Security Agency, Public Health Service, addressed to Dr. E. A. Rogers, Nebraska State Department of Health, February 26, 1954.

On March 4, 1954, a letter was sent to the municipal officials of Beatrice informing them of action necessary to abate existing and future pollution. This notice was also sent to all municipal officials of communities discharging sewage into the Big Blue River.

A meeting was held with the City Officials of Beatrice on March 10, 1954, at which time the problem was briefly outlined and a suggestion of a meeting with all City Officials representing towns along the Blue River be held.

A conference of municipal representatives representing communities on the Big Blue River was held in Seward on April 7, 1954 at which time the entire subject was discussed. It was mutually agreed that each community would present in writing to the State Health Department not later than October 1, 1954 a statement of a working program for abatement of pollution for their community. An official notification of this action was sent out April 8, 1954.

To better acquaint the citizens of Beatrice of the overall program, a "Town Meeting" was held in the City Auditorium on June 24, 1954. This group was addressed by Mr. D. F. Metzler, Kansas State Board of Health, and Mr. T. A. Filipi of the Nebraska State Department of Health. The meeting was definitely friendly, and did not indicate any opposition toward a well planned program of sewage treatment.

Beatrice retained the engineering firm of Henningson, Durham and Richardson, Omaha, Nebraska for the preparation of a program plan. A preliminary report from this firm was received by the Department September 30, 1954. A final engineering report was received November 5, 1954. This comprehensive report covered all details of study, preliminary design, estimate of costs and financing.

An ordinance relative to a sewer service charge was adopted by the City Council February 25, 1957. A petition was later circulated asking that the issue be placed on the ballot at the next election and that the ordinance be revoked. The ordinance was upheld and retained by a large majority on April 2, 1957.

Based upon the engineers report, a sound program of financing and the desire to go ahead with construction, a request for necessary papers to apply for a federal construction grant was received by this Department on February 19, 1957. This application was executed and received for final processing on March 9, 1957.

This application states that plans and specifications will be ready for advertising for bids 270 calendar days after the grant award, with contract let 40 days later, with completion of project 240 days later.

At the present time, a program for water pollution abatement has not been set up by the State Health Department, the present Water Pollution Control Agency. The Department is now awaiting legislative and budget committee conclusions before any program may be set up. If a program is set up, present knowledge of the overall needs for treatment indicate that Beatrice is worthy of a high priority for a federal grant and will so be recommended to the official water pollution control agency.

In observing the working of the Beatrice City Council, and the Board of Public Works, it is my opinion that the program made is satisfactory. This was realized without undue pressure from regulating agencies. Now if some co-operation from State and Federal Water Pollution Control agencies can be extended by means of a construction grant, the project will be under way as soon as details are worked out.

Attachments-3 Letters

References:

Kansas River Basin Water Pollution Investigation-
Federal Security Agency-Public Health Service-June 1949

Kansas River Drainage Basin-Water Pollution Series No. 38-
Federal Security Agency-Public Health Service-February, 1953.

Progress Report Sanitary Sewers and Sewage Treatment Investigation
Beatrice, Nebraska-1954-Henningson, Durham & Richardson, Inc.

Report-Sanitary Sewers and Sewage Treatment-City of Beatrice,
Nebraska-1954-Henningson, Durham & Richardson, Inc.

Department of Health
E. A. Rogers, M.D., M.P.H.
Director

STATE OF NEBRASKA
DEPARTMENT OF HEALTH
Victor E. Anderson, Governor
Lincoln 9

March 4, 1954

Mr. G. R. Miller	Manager, Board of Public Works	Beatrice, Nebr.
Mr. Irvin Beck	Mayor	Wilber, Nebr.
Mr. Vester L. TeSalle	Ch., Village Board of Trustees	Milford, Nebr.
Mr. Geo. D. Thomas	Mayor	Seward, Nebr.
Mr. H. K. Parks	Ch., Village Board of Trustees	Ulysses, Nebr.
Mr. Edwin L. Anderson	Mayor	Stromsburg, Nebr.

Dear Sirs:

A letter received from Doctor T. R. Hood, Executive Secretary, Kansas State Board of Health, Topeka, a copy of which is enclosed brings to our attention the fact that the Big Blue River entering the State of Kansas is contaminated beyond the tolerable limits that Kansas has set up for their streams. Of special concern to the Kansas State Board of Health is the situation that is occuring at Marysville, Kansas, where water from the Blue River must be treated to make it acceptable for drinking purposes. The attached letter I believe is self explanatory, and describes the situation that now exists.

In order that an overall program of stream pollution abatement on the Blue River be carried out we are asking for the opportunity of meeting with you as head of your local governing body or if you so see fit, with your entire governing body at a time that is mutually convenient to permit us to explain the situation that now exists and to outline the program that we suggest be followed to indicate to the Kansas State Board of Health that something is being done in our State. Would you therefore please inform us at once if a meeting of this type is possible and if so at what date.

Yours very truly,

T. A. Filipi, Director
Division of Sanitation

TAF:tm

DEPARTMENT OF
HEALTH, EDUCATION, AND WELFARE
PUBLIC HEALTH SERVICE
Washington 25, D. C.

February 26, 1954

Dr. E. A. Rogers
Acting Director of Health
State Department of Health
Lincoln 9, Nebraska

Dear Dr. Rogers:

Under the Water Pollution Control Act (P.L. 845, 80th Congress, as amended), the Surgeon General of the Public Health Service is responsible for working cooperatively with States in order to seek solutions to problems of interstate pollution. When such pollution endangers the health or welfare of persons in a State other than that in which the discharge originates, he has, in addition, certain enforcement responsibilities.

During the past several years your Department and our Missouri Drainage Basin Office have cooperated in field investigations leading to the development of a report outlining the water pollution problems confronting your State and those of other States in the Kansas River Basin. In addition, this report provided general information on interstate pollution problems.

Our Missouri Drainage Basin Office has prepared, in cooperation with members of your staff, more detailed statements (copies attached) on interstate pollution problems in the Republic River Basin and the Blue River Basin having their origin in your State. We are again bringing to your attention these matters since pollution created by cities and industries in your State is considered to adversely affect health or welfare of people in Kansas. Copies of this letter and the attachments are being forwarded to the State water pollution control agency of Kansas for their information.

While we recognize that the pollution problems noted in the attachments are only a part of the over-all pollution problems confronting your State, we trust that reasonable efforts will be made to seek a solution to these interstate pollution problems along with the intrastate problems on which you are working. In order that we may keep abreast of the progress being made in the abatement of interstate pollution, please advise us as to the status of the problems in your State noted in the attachments.

The Public Health Service, recognizing its responsibility, will help to the extent of available resources in seeking solutions to problems of interstate pollution. We will be happy to have our basin engineer, Mr. Glen J. Hopkins, discuss this with you at your convenience.

Sincerely yours,

/s/ Carl E. Schwob

Carl E. Schwob
Sanitary Engineer Director
Chief, Division of Water
Pollution Control

Attachments
- Statement on Interstate Pollution - Republican River Basin
- Statement on Interstate Pollution - Blue River Basin

OFFICE OF
THE KANSAS STATE BOARD OF HEALTH
TOPEKA

Thomas R. Hood, M.D.,M.P.H.
Executive Secretary

19 February 1954

E. A. Rogers, M.D., M.P.H.
Acting Director
Division of Health
Lincoln 9, Nebraska

Dear Doctor Rogers:

We are becoming increasingly concerned about the pollution of the Blue River by cities and industries in Nebraska. Our chief concern comes from the steady increase in coliform pollution which we have noted at the Marysville, Kansas waterworks intake. The average coliform index at this intake for the period 1922-24 was 3,856 per 100 ml. In the five-year period 1947-52 this had increased to an average of 21,000 and an average of the maximum values occurring each of these years is in excess of 135,000 coliforms per 100 ml.

In the past few months it has not been necessary to use laboratory data in order to demonstrate pollution of the river above Marysville. Water entering the purification plant has been odorous, difficult to treat, and according to the operators has contained floating grease and solids. The plant operators noted that this condition became worse some time ago and so reported to us. Upon inquiry Mr. Filipi advised us that Wymore had discontinued use of its sewage treatment works until some of the larger towns in the valley provided treatment for their wastes.

Marysville is voting bonds for a sewage treatment plant on March 2. Twenty-four other cities in the Kansas River Basin in Kansas have already completed new sewage treatment plants since the Board's clean streams policy was adopted in April 1950. Twenty more cities have plants under construction or the plans for letting a contract well advanced.

We hesitated to complain about pollution entering Kansas from Nebraska until the problem in Kansas was well along the way to completion. The fact that this point has now been reached, coupled with evidences of gross pollution at Marysville, prompts us to urge early action in this matter.

Very truly yours,

/s/ Thomas R. Hood

Thomas R. Hood, M.D., M.P.H.
Executive Secretary

cc: T. A. Filipi
Glen J. Hopkins

EXHIBIT KC-1

Interstate Pollution Abatement Conference

Beatrice, Nebraska - May 3, 1957

Effects of Interstate Pollution of the Big Blue River On Present and Potential Water Uses

The State of Kansas is concerned about the pollution of the Blue River by cities and industries in Nebraska as it affects several beneficial water uses. Our chief concern is the protection of the Blue River as a source of municipal water supply for the city of Marysville, Kansas. The average coliform index at the Marysville water works intake for the period 1922-24 was 3856 per 100 ml. In the five-year period 1947-52, this had increased to an average of 21,000. According to standards adopted by the State of Kansas, the U. S. Public Health Service and most of the state health agencies, the raw water coliform density should not exceed 20,000 per 100 ml. when a modern, complete water treatment plant is provided. The average coliform density at the Marysville water works intake has exceeded this upper limit during recent years. Perhaps of even more significance is the fact that the maximum coliform values at Marysville have very frequently greatly exceeded the average of 21,000. Frequently the coliform density per 100 ml. will exceed 240,000, or more than 10 times the upper safe limit. The monthly last routine raw water analysis indicating 240,000 coliforms per 100 ml. was in July 1956. Several samples each year for the past several years have shown coliform counts of more than 100,000 per 100 ml.

Under the proper stream flow conditions it is not necessary to use laboratory data in order to demonstrate pollution of the Blue River above Marysville. Under these conditions the water entering the purification plant is odorous, difficult to treat, and contains floating grease and solids. The Marysville water treatment plant operators have on several occasions requested assistance of the State Board of Health in improving upstream water quality.

It is our opinion, based on the Kansas River Basin water pollution investigation and other reports, that while the major portion of the bacterial contamination of the Blue River above Marysville is due to the discharge of raw sewage from Beatrice, Nebraska, pollution of the river above Beatrice is a contributing factor. The available data indicate that the river is seriously polluted above Beatrice and this pollution reduces the capacity of the stream to assimilate, through natural purification, the untreated wastes discharged at Beatrice.

The Blue River is a tributary of the Kansas River which is used extensively for municipal and industrial water supply. There is every indication that water usage for domestic water supply, industrial water supply and irrigation in this area will be increased markedly during the next 5 to 10 years.

Stock watering and fishing are important beneficial water uses in Kansas which are damaged by pollution in the Blue River. The use of water to be stored by the Tuttle Creek dam is important to the consideration of pollution in the Blue River in the vicinity of the Kansas-Nebraska state line. The exact location of the upper end of this pool has not been determined as yet but it appears that backwater will approach within 25 to 30 stream miles from the state line. The sedimentation pool behind this dam will consist of 185,000 acre feet but at the present time serious consideration is being given to storing 400,000 acre feet. This additional storage can be provided by simply changing the operational procedure. It is contemplated that this water will be used for irrigation, recreation and to supplement low downstream flows.

At the present time there are no well-developed fishing and picnicking areas in the Blue valley in the vicinity of Marysville. This makes it important to protect all available resources in this respect for use by the local citizens.

The people of Kansas have demonstrated their desire to clean up the streams of the State. Every community in the Kansas portion of the Blue River basin, which has a sewer system, has a sewage treatment plant. Sewage treatment facilities are currently under construction at Waterville. Marysville, Hanover, and Frankfort completed treatment plants in 1956, Blue Rapids in 1955, and Washington, Greenleaf and Axtell have adequate sewage treatment facilities which were constructed prior to 1950. For the state as a whole, 28 sewage treatment plant projects are under construction at the present time, and 9 more plants will be under contract within the next 60 days. Thirty-six treatment plants were completed in 1956 and an average of 25 projects have been completed each year for the past five years.

Summary of Conference

of

POLLUTION OF INTERSTATE WATERS

of the

MISSOURI RIVER--ST. JOSEPH, MISSOURI AREA
(MISSOURI-KANSAS)

June 1957

Summary of Conference

POLLUTION OF INTERSTATE WATERS
of the
MISSOURI RIVER--ST. JOSEPH, MISSOURI AREA--(MISSOURI-KANSAS)

Below St. Joseph, Missouri, the Missouri River forms a State boundary between Missouri and Kansas. The major cities on this stretch of river are St. Joseph, Missouri, and Atchison, Leavenworth, and Kansas City, Kansas.

On the basis of reports, surveys and studies, the Surgeon General having reason to believe that pollution of the Missouri River caused by discharges of untreated sewage and industrial wastes by St. Joseph, Missouri, and its associated stockyard area is endangering the health and welfare of persons in Kansas, a State other than that in which the discharge originates, called a conference on the matter of pollution of the interstate waters of the Missouri River below St. Joseph, Missouri (Missouri-Kansas). The conference was held on June 11, 1957 in the Council Chambers, 301 City Hall, St. Joseph, Missouri.

The following conferees representing the State water pollution control agencies of Missouri and Kansas, and the Public Health Service, attended the conference:

Leonard B. Dworsky	U. S. Public Health Service Kansas City, Missouri
Albert W. Happy, Jr.	State Division of Health Jefferson City, Missouri
Glen J. Hopkins	U. S. Public Health Service Kansas City, Missouri
Dwight F. Metzler	Kansas State Board of Health
Jack Smith	State Division of Health Jefferson City, Missouri
Murray Stein, Chairman	U. S. Public Health Service Washington, D. C.
Clifford Summers	State Division of Health Jefferson City, Missouri

Also participating in the conference were the following representatives of the City of St. Joseph, Missouri, and industry, who were invited by the Missouri Division of Health:

City of St. Joseph, Missouri

John Beaumont	Member of the Common Council
Stanley Dale	Mayor, St. Joseph, Missouri
Robert Brown	Engineer, Black & Veatch
Martin Ericson	Director of Sanitation
Harry W. Kurtz	President, Board of Public Works
Glen Riddle	City Engineer
John Rupp	Member of the Common Council
James Welsh	President, Common Council
Walter Welsh	City Clerk

Industry

John W. Bennett	St. Joseph Stockyards Company
H. J. Gilbert	Terminal Warehouse
Harold Glass	Armour & Company
E. Y. Lingle	Seitz Packing Company
Morris Milder	St. Joseph Sanitation Company
Dr. R. C. Percival	American Cynamid (Lederle Laboratories)
Glen Six	Swift & Company
Max Wasserman	Consumers Cooperative Association

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act (P.L. 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originates is subject to abatement under the procedure described in section 8 of the Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take any remedial action which may be indicated under State and local law.

Mr. Glen J. Hopkins, Regional Engineer, Public Health Service, Region VI, read a general statement on pollution of the interstate waters of the Missouri River--St. Joseph, Missouri, Area.

Mr. Albert W. Happy, Chief Engineer, Missouri Division of Health, and Mr. Clifford Summers, Missouri Division of Health, presented a statement concerning the sources of pollution and the nature of the wastes.

Mr. Dwight F. Metzler, Director, Division of Sanitation, Kansas State Board of Health, presented a statement on the effects of pollution on present and potential water uses in Kansas.

Mr. P. G. Barnickol, Chief Fishery Biologist, Missouri Conservation Commission, indicated the effects of the pollution on fisheries and fish.

Mr. J. C. Alexander, Engineer-in-Charge, Water Section, Missouri Division of Resources and Development, indicated the effects of pollution on industrial development and recreational uses.

Mr. Clifford Summers, Missouri Division of Health, reported on past activities of the Missouri State water pollution control agency seeking abatement of the pollution and the nature of the delays encountered.

Mayor Dale and members of the St. Joseph Common Council reported on action proposed to be taken by the City of St. Joseph to install waste treatment facilities.

Mr. Morris Milder of the St. Joseph Sanitation Company reported that his company no longer was dumping garbage and refuse, collected from St. Joseph and its associated stockyard area, into the Missouri River; and that the company did not intend to resume this practice in the future.

Mr. Harold Glass of Armour & Company, Mr. Glen Six of Swift & Company, Mr. H. J. Gilbert of Terminal Warehouse, Mr. John W. Bennett of St. Joseph Stockyards Company, Mr. E. Y. Lingle of the Seitz Packing Company, and Mr. Max Wasserman of the Consumers Cooperative Association presented statements concerning the attitude and proposed action of the companies they represented.

In the light of conference discussions, the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Missouri River--St. Joseph, Missouri Area (Missouri-Kansas). Sewage and industrial wastes from St. Joseph, Missouri, and its associated stockyard district in Missouri are finding their way into the waters of the Missouri River, an interstate water as defined by the Federal Act. Such discharges cause pollution of the Missouri River so as to endanger the health and welfare of persons in Kansas, a State other than that in which the discharges originate.

2. That the effects of this pollution are: (1) deterioration of water quality for public water supply of Atchison, Leavenworth and Kansas City, Kansas, with associated enhancement of possible disease transmission; (2) increased concentrations of coliform and other organisms associated with human diseases which constitute a health hazard to commercial and recreational users of the river; (3) deterioration of water quality so as to interfere with its use for stock watering; (4) deterioration of water quality so as to prevent full use of the commercial fishery of the Missouri River below St. Joseph, Missouri; (5) deterioration of water quality so as to create conditions inimical to fish and wildlife in the area; and (6) impairment of water quality for many industrial uses.

3. That the measures presently used for the disposal of sewage and industrial wastes from St. Joseph, Missouri, and its associated stockyard district are not adequate to secure abatement of pollution of the interstate waters of the Missouri River.

4. That the delays encountered in abatement of such pollution are due to lack of installation of adequate waste treatment facilities or other methods for reduction of pollution by St. Joseph, Missouri, and the industries concerned. These industries consist of American Cynamid (Lederle Laboratories), Armour & Company, Swift & Company, Terminal Warehouse, St. Joseph Stockyards Company, Seitz Packing Company, and Consumers Cooperative Association.

5. That cognizance is taken of the fact that the practice of dumping municipal garbage and refuse and stockyard wastes including paunch manure, stock manure, and bedding wastes into the Missouri River has recently been discontinued; and that these practices will not be resumed.

6. That the City of St. Joseph, Missouri, and the industries of its associated stockyard district provide adequate treatment of wastes prior to their discharge.

7. That detailed plans and specifications for facilities to treat these wastes be completed by June 30, 1958.

8. That contract awards for construction of these facilities be made by January 1, 1959.

9. That the City of St. Joseph, Missouri, submit the financing of the City's proposed waste treatment facility to its voters on November 12, 1957.

10. That cognizance is taken of the fact that the city officials of St. Joseph have proposed a treatment facility which would collect and treat industrial wastes from its associated stockyard area as well as wastes from within its municipal limits; that the City should have an answer as to whether

the industries in the stockyard area wish to join with the City in such treatment facilities by September 1, 1957; that if the City does not get an affirmative answer by this date, the City would be justified in assuming that the stockyard group of industries did not wish to join with the City and should then proceed to present its financing plan to its voters on November 12, 1957 based on a waste treatment facility designed to handle waste from within the City limits of St. Joseph.

11. That the Missouri Division of Health report to the conferees periodically as to progress. The first report will be made after September 1, 1957; the second report after November 12, 1957; the third report after June 30, 1958; and the fourth report after July 1, 1959. Additional reports will be made if appropriate.

THE SECRETARY OF HEALTH, EDUCATION, AND WELFARE
WASHINGTON

In the Matter of the
POLLUTION OF THE INTERSTATE WATERS
of the
MISSOURI RIVER AT
ST. JOSEPH, MISSOURI

NOTICE

There is attached hereto, and made a part hereof, the Findings, Conclusions, and Recommendations, dated July 30, 1959, of the Hearing Board, convened pursuant to the provisions of section 8 (e) of the Federal Water Pollution Control Act (33 U.S.C. 466g (e)), which held a public hearing in the matter of pollution of the interstate waters of the Missouri River at St. Joseph, Missouri.

The Board found that the City of St. Joseph, Missouri, and the firms named below are discharging sewage, industrial, and other wastes causing pollution of such interstate waters of the Missouri River so as to endanger the health and welfare of persons in the State of Kansas.

In accordance with section 8 of the Federal Water Pollution Control Act, the City of St. Joseph, Missouri, and the following named firms:

Albers Milling Company, Lake Road
South St. Joseph, Missouri

American Cyanamid Company (Lederle Laboratory)
Lower Lake Road, St. Joseph, Missouri

Anchor Serum Company, 24th & Frederick Avenue
St. Joseph, Missouri

Archer-Daniels-Midland Company (Commander Larabee Flour Mill)
West Lake Blvd., St. Joseph, Missouri

Armour and Company
South St. Joseph, Missouri

Bartlett and Company, 1405-06 Corby Building
St. Joseph, Missouri

Consumers Cooperative Association, Lower Lake Road
St. Joseph, Missouri

Dannen Mills, Incorporated, Lower Lake Road
St. Joseph, Missouri

Kees-Lyons Oil Company, Lake Road & Packers Avenue
St. Joseph, Missouri

St. Joseph Feed and Supply Company, 232 Packers Avenue
St. Joseph, Missouri

St. Joseph Power & Light Company, 514 Francis Street
St. Joseph, Missouri

St. Joseph Stockyards Company
South St. Joseph, Missouri

Seitz Packing Company, Lake Road & Packers Avenue
St. Joseph, Missouri

Stratton-Theis Grain Company
1108 Corby Building, St. Joseph, Missouri

Swift and Company (Packing Plant)
400 Packers Avenue, St. Joseph, Missouri

Swift and Company (Fertilizer Plant)
Agricultural Chemical Division Plant, St. Joseph, Missouri

Terminal Warehouse of St. Joseph, Packers Avenue
St. Joseph, Missouri

Union Terminal Railroad (Missouri Pacific Railroad)
3rd & Sylvanie Streets, St. Joseph, Missouri

are hereby notified and directed to cease and desist from discharging, without proper, adequate and effective treatment, such sewage, industrial, and other wastes into said waters and to secure abatement of such pollution, by the completion and placing into operation of proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities by June 1, 1963.

I hereby find that compliance with the schedule contained in the Recommendations of such Hearing Board is necessary to constitute action reasonably calculated to secure abatement of such pollution by June 1, 1963.

Dated: August 12, 1959

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
U.S.A.

/s/ Arthur S. Flemming
Secretary

In the Matter of the
POLLUTION OF THE INTERSTATE WATERS
of the
ST. JOSEPH, MISSOURI AREA

FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS OF THE HEARING BOARD

The matter of the pollution of the interstate waters of the Missouri River in the St. Joseph, Missouri area (Missouri-Kansas) came duly on for hearing at St. Joseph, Missouri, on the 27th day of July 1959 at 9:00 a.m. before the Board hereinafter named appointed therefor by the Secretary of Health, Education, and Welfare, pursuant to the call of the Secretary dated June 25, 1959, under the provisions of the Federal Water Pollution Control Act and the regulations prescribed thereunder, and upon due notice of said hearing given, issued, and served as provided therein. Said hearing was continued on July 28, 29, and 30, 1959, and was then concluded and adjourned. Said Board consisted of the following named persons:

John S. Samson, Chairman

Geoffrey M. Martin, M. D. (representing the State of Kansas)

Freeman R. Johnson (representing the State of Missouri)

Walter Kurylo (representing the United States Department of Commerce)

Blucher A. Poole

Robert C. Ayers, Executive Secretary

The following appearances were entered:

The Surgeon General of the Public Health Service, United States Department of Health, Education, and Welfare by Murray Stein, Chief, Enforcement Branch, Division of Water Pollution Control, Department of Health, Education, and Welfare; Sidney Edelman, Assistant Chief, Public Health Division, Office of the General Counsel, Department of Health, Education, and Welfare; Glen J. Hopkins, Regional Engineer, Region VI, Public Health Service.

Missouri Department of Public Health and Welfare by Jack K. Smith, Executive Secretary, Missouri Water Pollution Board.

Kansas State Board of Health by Dwight F. Metzler, Director, Division of Sanitation.

City of St. Joseph, Missouri, by Fred E. Schoenlaub, City Counselor.

American Cyanamid Company by R. A. Brown, its attorney, and Harry A. Bostrom.

Anchor Serum Company by R. A.Brown, its attorney.

Armour and Company by R. A. Brown, its attorney.

Bartlett and Company by J. T. Carbry, its attorney.

Consumers Cooperative Association by Max Wasserman, its attorney, and Tom Cory, Chief Engineer.

Dannen Mills, Inc., by R. A. Brown, its attorney, and George O. Lines.

St. Joseph Power and Light Company by Charles Wilcox, its attorney.

St. Joseph Stockyards Company by R. A. Brown, its attorney.

Seitz Packing Company by R. A. Brown, its attorney.

Stratton-Theis Grain Company by Christopher Harris, its attorney.

Swift and Company (Packing Plant) by R. A. Brown, its attorney.

Swift and Company (Fertilizer Plant) by R. A. Brown, its attorney.

Terminal Warehouse of St. Joseph by R. A. Brown, its attorney.

Union Terminal Railroad by Charles Wilcox, its attorney.

No appearances were entered by the following:

Albers Milling Company

Archer-Daniels-Midland Company

Kees-Lyons Oil Company

St. Joseph Feed and Supply Company

Now, based on the evidence presented at said hearing the Board makes the following findings, conclusions, and recommendations:

FINDINGS OF FACT

1. All the actions of the Surgeon General of the Public Health Service and the Secretary of Health, Education, and Welfare with respect to the matters involved in this proceedings, as prescribed by the Federal Water Pollution Control Act, were performed and completed prior to the holding of the hearing.

2. The Missouri River below St. Joseph, Missouri, flows in a generally southerly direction constituting the interstate boundary between the States of Missouri and Kansas. The waters of said section of the Missouri River are interstate waters as defined by the Federal Water Pollution Control Act.

3. The major cities on this stretch of the Missouri River are St. Joseph, Missouri, and Atchison, Leavenworth, and Kansas City, Kansas, and Kansas City, Missouri.

4. The City of St. Joseph, Missouri, has been and now is discharging untreated sewage and industrial and other wastes into said waters of the Missouri River.

5. The following named firms, in the operation of their respective businesses, have been and now are discharging untreated sewage, industrial, or other wastes into said waters of the Missouri River at or near St. Joseph, Missouri.

Albers Milling Company
Lake Road
South St. Joseph, Missouri

American Cyanamid Company (Lederle Laboratory)
Lower Lake Road
St. Joseph, Missouri

Anchor Serum Company
24th & Frederick Avenue
St. Joseph, Missouri

Archer-Daniels-Midland Company (Commander Larabee Flour Mill)
West Lake Blvd.
St. Joseph, Missouri

Armour and Company
South St. Joseph, Missouri

Bartlett and Company
1405-06 Corby Building
St. Joseph, Missouri

Consumers Cooperative Association
Lower Lake Road
St. Joseph, Missouri

Dannen Mills, Incorporated
Lower Lake Road
St. Joseph, Missouri

Kees-Lyons Oil Company
Lake Road & Packers Avenue
St. Joseph, Missouri

St. Joseph Feed and Supply Company
232 Packers Avenue
St. Joseph, Missouri

St. Joseph Power & Light Company
514 Francis Street
St. Joseph, Missouri

St. Joseph Stockyards Company
South St. Joseph, Missouri

Seitz Packing Company
Lake Road & Packers Avenue
St. Joseph, Missouri

Stratton-Theis Grain Company
1108 Corby Building
St. Joseph, Missouri

Swift and Company (Packing Plant)
400 Packers Avenue
St. Joseph, Missouri

Swift and Company (Fertilizer Plant)
Agricultural Chemical Division Plant
St. Joseph, Missouri

Terminal Warehouse of St. Joseph
Packers Avenue
St. Joseph, Missouri

Union Terminal Railroad (Missouri Pacific Railroad)
3rd & Sylvanie Streets
St. Joseph, Missouri

6. The sewage and industrial and other wastes so discharged have caused and continue to cause substantial pollution of the waters of said river hereinbefore described, with effects as hereinafter described, and aforesaid sources of said pollution at or near St. Joseph, Missouri, are collectively the major sources of pollution of said waters.

7. The City of Atchison, Kansas, having a population of approximately 13,000; the City of Leavenworth, Kansas, approximately 21,000, and the City of Kansas City, Kansas, approximately 130,000, each uses for its public water supply the waters of said section of the Missouri River and is dependent thereon. The pollution of said waters from the sources aforesaid causes deterioration of the quality of said waters for the purposes of said public water supply, in that with said pollution there is continuous danger of introduction into the public water supply of disease-producing organisms, and that there are continuously introduced into said waters as part of said pollution organic compounds in solution which provide sustenance for and foster the growth and survival of disease-producing organisms in said waters and which impair the taste and odor thereof for drinking and other purposes. Said City of Atchison, Kansas, whose water supply intake is only 24 river miles below the sources of pollution heretofore described, provides for the treatment of water taken from said river for its public water supply system in order to render the same safe against the transmission of disease and to minimize or eliminate the taste and odor of wates. By reason of said pollution the degree and cost of such treatment is substantially increased and the danger of transmission of disease in case of failure, breakdown, or faulty operation of treatment facilities is substantially increased as compared with what would be the case if said pollution were abated.

8. Said waters are extensively used for navigation and boating. Said waters also are used for some commercial fishing, some sport fishing, some swimming, some water-skiing, and for other purposes. Most of such uses are increasing. In connection with such uses it is possible for persons engaged therein to contract water-borne diseases from the disease-producing organisms introduced with said pollution, and the use of said waters for said purposes is consequently unsafe.

9. As part of the sewage, industrial, and other wastes aforesaid, there are discharged into the said waters human and animal excreta, grease, oil, hair, and other floating or suspended articles or substances of human, animal, or other origin. Some of said articles or substances are offensive and unsightly. Some of said substances accumulate on the shores of said waters, and on boats, structures, water intakes, working equipment, fishing gear, and other equipment placed or used in or on said waters befouling the same and causing trouble in using the same and keeping the same clean.

10. Said pollution of the waters of the Missouri River adversely affects the development and use of the Missouri River waterfront at Atchison, Kansas, for commercial, industrial, and recreational purposes.

11. By reasons of the pollution of said waters as aforesaid, commercial fishing is damaged.

12. The aforesaid pollution of said interstate waters caused by matters discharged into the same in the State of Missouri as aforesaid endangers the health and welfare of persons in the State of Kansas.

13. If the sewage and industrial and other wastes discharged into said waters as aforesaid were properly, adequately, and effectively controlled and treated, the aforesaid pollution of said waters would be substantially abated and said waters would be substantially restored and improved for the uses and purposes hereinbefore described.

14. Effective progress toward abatement of the aforesaid pollution is not being made by said City of St. Joseph, Missouri, or by the firms hereinbefore named as discharging sewage and industrial and other wastes into said waters.

15. Effective, feasible, and reasonable methods for the control and treatment of said sewage and industrial and other wastes are available to said City and said firms. The installation and use of facilities for such control and treatment by said City and said firms are reasonable and equitable measures to abate the pollution of said waters as hereinbefore described. A reasonable time therefor is as stated in the recommendations hereinafter set forth.

CONCLUSIONS

The City of St. Joseph, Missouri, and the firms hereinbefore named as discharging sewage and industrial and other wastes into the waters hereinbefore described should be required to cease and desist from discharging such sewage and industrial and other wastes into said waters, either directly or indirectly, without proper, adequate, and effective treatment, and should be required to provide such treatment of such sewage and industrial and other wastes before discharging the same into said waters, so as to abate the pollution hereinbefore described, in accordance with the following recommendations.

RECOMMENDATIONS

It is recommended as follows:

1. That the City of St. Joseph, Missouri, and the firms named in the notice of this hearing, construct and place in operation, proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities as necessary to abate pollution of the interstate waters of the Missouri River in accordance with the schedule hereinafter set forth.

2. On or before January 1, 1960, each such firm desiring to be served through the municipal system shall advise the city of the volume and character of sewage and industrial and other wastes it proposes to discharge to the municipal system.

3. On or before March 1, 1960, the City of St. Joseph, Missouri, shall complete arrangements for the scheduling and shall schedule a bond election for the financing of such remedial works; said election to be held not later than June 1, 1960.

4. On or before July 1, 1960, the City of St. Joseph, Missouri, shall, in writing, instruct its engineer to proceed with final plans and specifications for proper, adequate, and effective treatment facilities for the sewage and industrial and other wastes to be disposed of through the municipal system. If such action is not taken by the City, or if such instruction does not provide for service to industry located outside the City, such industries shall initiate detailed planning for their own remedial facilities not later than July 31, 1960.

5. On or before March 1, 1961, final plans and specifications for such remedial facilities shall be completed and submitted to the Missouri Water Pollution Board for review and approval.

6. On or before June 1, 1961, all such remedial works shall be placed under contract for construction.

7. On or before June 1, 1963, construction of all such remedial facilities shall be completed and such facilities shall be in operation.

8. Within fifteen days after such date established in this Schedule, the City of St. Joseph, Missouri, and each firm engaged in any industry involved in this hearing, shall advise the Regional Engineer, Region VI, U. S. Public Health Service as to progress toward compliance with each step of the schedule applicable to them.

Respectfully submitted

In the name of the

HEARING BOARD IN THE MATTER OF
POLLUTION OF THE INTERSTATE WATERS
OF THE ST. JOSEPH, MISSOURI AREA

By

/s/ John S. Samson
John S. Samson, Chairman

ATTEST:

/s/ Robert C. Ayers
Robert C. Ayers, Executive Secretary

Dated: July 30, 1959

IN THE UNITED STATES DISTRICT COURT

FOR THE WESTERN DISTRICT OF MISSOURI

THE UNITED STATES OF AMERICA,)
)
Plaintiff,)
)
v.) Civil No.
)
CITY OF ST. JOSEPH, MISSOURI,)
a Municipal Corporation,)
))
Defendant.)

Complaint

The United States of America, plaintiff, alleges as follows:

I

Jurisdiction of the Court is based on the fact that the United States of America is plaintiff (28 U.S.C. 1345) and the action arises under the Federal Water Pollution Control Act (33 U.S.C. 466).

II

The City of St. Joseph, Missouri, a Municipal Corporation, is a City of the first class, created, organized and existing under the laws of the State of Missouri and located in Buchanan County, Missouri, in the Western District of Missouri, within the jurisdiction of this Court. It has jurisdiction over the disposal of sewage and other wastes and is a "municipality" as defined by the Federal Water Pollution Control Act (33 U.S.C. 466j(f)).

III

The Missouri River below St. Joseph, Missouri, flows in a generally southerly direction and forms the boundary between the

States of Missouri and Kansas. The waters of said section of the Missouri River are interstate waters as defined by the Federal Water Pollution Control Act (33 U.S.C. 466j(e)).

IV

The City of St. Joseph, Missouri, has been for a long period of time and is now discharging untreated sewage and industrial and other wastes into the said waters of the Missouri River and is thereby polluting the waters aforesaid and endangering the health and welfare of persons in a State other than that in which the discharge originates, to-wit: the State of Kansas. Such pollution of the waters of said river is, as hereinafter set forth, subject to abatement under the Federal Water Pollution Control Act (33 U.S.C. 466g) and it also constitutes a public nuisance under and in violation of the laws of Missouri (Missouri Statutes, § 204.030).

V

The Surgeon General, on the basis of reports, surveys and studies, had reason to believe that pollution of interstate waters in or adjacent to the State of Kansas was occurring and that the discharge of said pollution which was endangering the health and welfare of persons in the State of Kansas originated in the State of Missouri. Pursuant to the provisions of 33 U.S.C. 466g of the Federal Water Pollution Control act, due and proper notification having been given, a conference was held on June 11, 1957 with respect to the pollution of the Missouri River by the City of St. Joseph, Missouri. Said conference was held at St. Joseph, Missouri, and participated in by representatives of the United States Public Health Service, the Kansas State Board of Health, the Missouri Division of Health, City of St. Joseph, Missouri and various industries of St. Joseph, Missouri. Said agencies and parties were those designated to be called into conference by the Federal Water pollution Control Act, 33 U.S.C. § 466g(c)(1). Following the aforesaid conference, the Surgeon General prepared and forwarded to "all the water pollution control agencies attending the conference a summary of conference discussions including (A) occurrence of pollution of interstate waters subject to abatement under the Act; (B) adequacy of measures taken toward abatement of the pollution; and (C) nature of delays, if any, being encountered in abating the pollution," as required by said Act. A copy of said summary of conference discussions is attached hereto, marked "Exhibit A," and made a part of this Complaint. Subsequent to the conference aforesaid, and on December 9, 1957, the Surgeon General of the United States, pursuant to 33 U.S.C. 466g(d), recommended to the Water Pollution Board of Missouri that steps be taken by it to secure abatement of said pollution by the City of St. Joseph, Missouri.

VI

The Water Pollution Board of Missouri is empowered by law to (among other things) cooperate with agencies of the Federal Government and with State and municipal agencies in preventing and controlling pollution.

For several years prior to March 10, 1959, representatives of the Water Pollution Board of the State of Missouri and of the Missouri Division of Health conferred from time to time with officials of the City of St. Joseph, Missouri, in an attempt to induce the defendant to set up a program to abate the aforesaid pollution of the Missouri River, all without success, and on March 10, 1959, the Water Pollution Board of the State of Missouri requested the Secretary of Health, Education, and Welfare of the United States to hold a hearing in accordance with the provisions of the Federal Water Pollution Control Act, 33 U.S.C. 466g(e).

VII

On June 25, 1959, Arthur S. Flemming, Secretary of Health, Education, and Welfare, signed a notice calling a public hearing to be held July 27, 1959, at St. Joseph, Missouri. Said notice was published in the Federal Register on July 1, 1959, 24 F.R. 5349. Due and proper notice was given to the defendant, and to the Missouri Department of Public Health and Welfare, the Kansas State Board of Health and various industries in and adjacent to St. Joseph, Missouri.

VIII

At the time of the signing of the notice for the aforementioned hearing by the Secretary of Health, Education, and Welfare, all conditions precedent to the holding of said hearing as provided by the Federal Water Pollution Control Act (33 U.S.C. 466) had been complied with.

IX

Said hearing was held before a Hearing Board as provided for by 33 U.S.C. 466g(e), beginning on July 27, 1959, at St. Joseph, Missouri, and concluding on July 30, 1959. Defendant, by its City Counselor, was present at and participated in said hearing. A transcript of the proceedings before the Board, consisting of 775 typewritten pages, is filed with the Court and will be offered in evidence pursuant to 33 U.S.C. 466g(g).

The Board, based on the evidence presented at said hearing, made findings, conclusions and recommendations, a copy of which is attached hereto, marked "Exhibit B," and made a part hereof.

X

On August 12, 1959, Arthur S. Flemming, Secretary of Health, Education, and Welfare, signed and forwarded to defendant the findings, conclusions and recommendations of the Board, calling attention to the fact that the Board found that the City of St. Joseph, Missouri, and certain industrial firms were discharging untreated sewage, and industrial and other wastes causing pollution of such interstate waters of the Missouri River so as to endanger the health and welfare of persons in the State of Kansas. In accordance with the provisions of the Water Pollution Control Act, 33 U.S.C. 466g(e), the Secretary of Health, Education, and Welfare transmitted to the defendant a notice specifying a reasonable time to secure abatement of the pollution as follows: "In accordance with Section 8 of the Federal Water Pollution Control Act, the City of St. Joseph, Missouri, (and the following named firms * * *) are hereby notified and directed to cease and desist from discharging, without proper, adequate and effective treatment, such sewage, industrial, and other wastes into said waters and to secure abatement of such pollution, by the completion and placing into operation of proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities by June 1, 1963.

"I hereby find that compliance with the schedule contained in the Recommendations of such Hearing Board is necessary to constitute action reasonably calculated to secure abatement of such pollution by June 1, 1963."

The schedule contained in the recommendations of the Hearing Board found by the Secretary to be necessary to constitute action reasonably calculated to secure abatement of said pollution by June 1, 1963, is as follows:

"1. That the City of St. Joseph, Missouri, and the firms named in the notice of this hearing, construct and place in operation, proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities as necessary to abate pollution of the interstate waters of the Missouri River in accordance with the schedule hereinafter set forth.

"2. On or before January 1, 1960, each such firm desiring to be served through the municipal system shall advise the city of the volume and character of sewage and industrial and other wastes it proposes to discharge to the municipal system.

"3. On or before March 1, 1960, the City of St. Joseph, Missouri, shall complete arrangements for the scheduling and shall schedule a bond election for the financing of such remedial works; said election to be held not later than June 1, 1960.

"4. On or before July 1, 1960, the City of St. Joseph, Missouri, shall, in writing, instruct its engineer to proceed with final plans and specifications for proper, adequate, and effective treatment facilities for the sewage and industrial and other wastes to be disposed of through the municipal system. If such action is not taken by the City, or if such instruction does not provide for service to industry located outside the City, such industries shall initiate detailed planning for their own remedial facilities not later than July 31, 1960.

"5. On or before March 1, 1961, final plans and specifications for such remedial facilities shall be completed and submitted to the Missouri Water Pollution Board for review and approval.

"6. On or before June 1, 1961, all such remedial works shall be placed under contract for construction.

"7. On or before June 1, 1963, construction of all such remedial facilities shall be completed and such facilities shall be in operation.

"8. Within fifteen days after such date established in this Schedule, the City of St. Joseph, Missouri, and each firm engaged in any industry involved in this hearing, shall advise the Regional Engineer, Region VI, U. S. Public Health Service, as to progress toward compliance with each step of the schedule applicable to them."

XI

The industries and firms referred to in the notice described in paragraph X are complying with the schedule contained in the Recommendations of the Hearing Board and found by the Secretary to constitute action reasonably calculated to secure abatement of the pollution by them by June 1, 1963.

XII

The City of St. Joseph, Missouri, has failed to follow the schedule set out by the Secretary to secure the abatement of said pollution and has failed to take action reasonably calculated to secure abatement of said pollution within the time specified in the notice set forth in paragraph X above, and said pollution is now continuing unabated.

XIII

By a letter to Secretary Flemming dated June 3, 1960, the State of Kansas through the Kansas State Board of Health requested the Secretary as follows:

> "This is to request that you act under Section 8(f) of Public Law 660, the Federal Water Pollution Control Act, to initiate a suit to secure abatement of the pollution from St. Joseph, Missouri and vicinity. Extensive data show that this pollution is detrimental to the health of Kansas citizens and to their use of the Missouri River as a water resource, particularly the public water supplies at Atchison and Leavenworth.
>
> "Since the city of St. Joseph has failed to finance its pollution abatement works in accordance with your order of August 12, 1959, this is to request that legal action be brought to force construction of the needed waste treatment works."

By a letter dated June 1, 1960, the State of Missouri through its Water Pollution Board gave its consent to Secretary Flemming to request the Attorney General of the United States to bring suit against St. Joseph, Missouri, on behalf of the United States to secure abatement of the aforesaid pollution. Copy of said letter is attached hereto, marked "Exhibit C," and made a part hereof.

XIV

No action reasonably calculated to secure abatement of the pollution having been taken by the defendant, the Secretary of Health, Education, and Welfare, by letter dated August 1, 1960, requested the Attorney General to bring this suit on behalf of the United States to secure abatement of the said pollution by the defendant pursuant to 33 U.S.C. 466g(f).

WHEREFORE, the United States of America prays:

1. That this Court enjoin the defendant and its officers, agents, servants and employees and any and all persons in active concert or participation with them from discharging sewage and industrial and other wastes into the Missouri River either directly or indirectly, without proper, adequate and effective treatment, unless and until the Court is satisfied that defendant is taking all necessary actions

reasonably calculated to secure abatement of the pollution in accordance with the notice described in paragraph X of the foregoing Complaint or in such other manner as the public interest and the equities of the case may require pursuant to the Water Pollution Control Act, 33 U.S.C. §466.

2. That the Court retain jurisdiction of this suit for the purpose of enforcing its judgment and orders in any manner which it may deem at any time to be proper in relation to the subject matter in controversy.

/s/
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Assistant Attorney General
Department of Justice
Washington 25, D. C.

/s/
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/s/
DAVID R. WARNER

/s/
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/s/
HENRY DEPPING
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IN THE UNITED STATES DISTRICT COURT
FOR THE WESTERN DISTRICT OF MISSOURI
ST. JOSEPH DIVISION

THE UNITED STATES OF AMERICA,)
)
Plaintiff,)
)
-vs-) No. 1077
)
CITY OF ST. JOSEPH, MISSOURI,)
a municipal corporation,)
)
Defendant.)

TRANSCRIPT OF CONFERENCE

BE IT REMEMBERED, that on Friday, November 18, 1960, a conference was had in the above entitled cause before the Honorable Richard M. Duncan, District Judge, at his courtrooms in St. Joseph, Missouri.

Appearances

The Plaintiff was represented by Messrs. Henry Depping and David R. Warner, Attorneys for the Department of Justice, Washington, D. C., and by Edward L. Scheufler, United StatesDistrict Attorney, Kansas City, Missouri.

The Defendant was represented by Joseph Wood, City Attorney of the City of St. Joseph, St. Joseph, Missouri.

Whereupon, the following proceedings were had and entered of record:

THE COURT: I asked the parties to attend here for this rather informal conference preliminary to a general pre-trial conference. As you all know, this is a new statute, and is the first case of its kind I believe that has been filed. The discretion of the Court under the statute is very, very broad and it provides that the Court shall receive in evidence any transcript of testimony taken in any other proceeding, viz., any proceeding that is heard by the administrative body, and such further evidence as the Court in its discretion deems proper. Then, of course, it goes on that "the Court shall give due consideration to the practicability and to the physical and economic feasibility of securing abatement of any pollution proved, shall have jurisdiction to enter such judgment, and orders enforcing such judgment as the public interest and the equities of the case may require."

So, I say, it is a pretty broad discretionary power that is conferred upon the Court and I called this conference more or less informally to discuss the matter with the Government and with the attorney for the defendant, so that your views may be taken down and the Court may determine what evidence is to be received ultimately, not today I don't mean, in case it is tried. This is returnable to the March Term of Court. It will be a case that will take a considerable trial . I regret that the City's pleadings are not in. There were some extensions of time to plead, and finally on the 7th of November, the City filed a motion to add additional parties to make the Mayor and City Council and members of the Council and all of the citizens of St. Joseph parties. Since neither the Mayor nor the members of the City Council are either proper or necessary parties, I couldn't quite take seriously the City's position that all of the citizens should be included, and the motion was summarily overruled. There is, therefore, no pleading now before the Court and I believe that the City is actually in default so far as its pleadings are concerned.

I don't know what position the City will take, but I should like to hear from the Government first as to its hearing of this case factually and legally, particularly as to the law, and I should like to hear from the City Counselor as to what the City's position is both with respect to the facts and to the law so far as you are able to do so at this time. Then following that we can set our plans for the procedure and what evidence is to be received.

So, Mr. Depping, you are here representing the Government. We would be glad to hear from you.

MR. DEPPING: May it please the Court, I realize that is a pretty broad order and I will try not to take any more time than necessary.

THE COURT: You understand the reason for the con-

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ference, just so you can sort of advise each other and the Court where we are going.

MR. DEPPING: Before getting into the law I would like to give your Honor just a little bit of the background of this case. St. Joseph certainly should not be surprised that this suit has been brought. This anti-pollution statute was passed in 1948, what is called the Federal Water Pollution Control Act and I am sure your Honor is familiar with it.

Now, to start with, in that Act, Section 2, it is provided that the Surgeon General shall, after careful investigation, either prepare or develop a comprehensive program for eliminating or reducing the pollution of interstate waters, etc. Now that comprehensive program was developed. Ten states have joined in and set up standards for the water in the Missouri River. These states are Colorado, Iowa, Kansas, Minnesota, Missouri, Montana, Nebraska, North Dakota, South Dakota and Wyoming, and all of these states have, as I say, joined together to help departments and the various representatives of the state and have developed this comprehensive program which has been introduced into the case and I will not spend any more time on that.

Now this bill was passed after many lengthy hearings. Situations were called to the attention of the Committee exactly like the one here in St. Joseph. This bill was introduced in 1948 by Senators Taft and Barclay and regardless of what you think of them separately, they are a pretty good team together and they both testified in behalf of this bill and I will not go into the details of it but one of the main things they were after there was to be sure that they weren't encroaching on the states and that there was state participation.

Now we have the state participation here. The State of Missouri has requested that this suit be brought. The State of Kansas has requested that it be brought, and the Public Health Service of the Department of Health, Education and Welfare has requested the Attorney General to bring this suit, and I want to say to your Honor that it is not mandatory that the Attorney General bring the suit, and that after these requests, after this hearing was held, there was very careful consideration given before this suit was finally brought.

Now I will not go into all of the details of the steps that are necessary to be taken. We alleged them in our petition, stating that they have all been complied with, but over a period of years the Missouri Health Department in cooperation with the Kansas Health Department have been conferring with the City of St. Joseph time and time again trying to get some sort of plan under way to end this pollution, and, as you know, two bond elections have failed, and finally after the hearing to which reference has been made when all of this evidence was taken, the bond issue failed again and no other action has been taken.

The Secretary of Health, Education and Welfare set up a study that is provided for in the law for St. Joseph to meet. They are in default in that schedule now, and, as I say, all of the precedural steps have been taken.

Now I will not take the time to go into all of the findings at that hearing. There are some 700 pages and about 40 exhibits.

Mr. Murray Stein, the Chief of the Enforcement Section, is here and I was asking him last night just what the other cities have been doing along the river. It might be of interest. He started to tell me what Portland, Oregon had done and I said just to start on this river. They started at Yankton, South Dakota, Vermillion -- they are on the same plan; Sioux City, Iowa, their engineering plan is completed; also Sioux City, their schedule is up to date; Omaha is on schedule. Just last week they voted $10,700,000. and they have voted about $11,000,000. in the past.

Here is an important one: Atchison, Kansas has completed the primary treatment plant. Atchison, Kansas is a city right across the river, as you know, which uses this sewage from St. Joseph for its water after it is run through the water plant, but even though St. Joseph is still dumping their sewage on down to Atchison, Atchison, Kansas, has completed their plans and over at Leavenworth they have gotten together with the Federal authorities and contracts are ready to be let, just, as you know, Kansas City, Kansas, has voted $10,000,000 and Kansas City, Missouri, $75,000,000 and North Kansas City $8,000,000, making a total of $90,000,000 in bonds all down the river from St. Joseph. Independence has already installed the same type of treatment plant that the state and federal agency has been trying to install here in St. Joseph. St. Louis is on schedule and their engineers' plans have been completed and in the suburbs there some $10,000,000 has already been voted. St. Louis is on schedule and I cross over the Mississippi River to the east and then quit because I think I have gone far enough down the river, but right across the river there are 21 different communities there on the Mississippi who are all on schedule.

Now I point this out to show that certainly St. Joseph is not being picked on here. There was some talk of that in the hearing and it seems that these officials have been extremely generous in their delays. They have had exaggerated patience with St. Joseph, Missouri, and their real excuse I guess is stated in this motion. Here is what this motion shows what this case really boils down to in both of these elections, the brief in support of their motion overruled and in both of these elections the people of the

City of St. Joseph have indicated at the polls that they do not wish to have these bonds issued and thus subject themselves to this oppression. They simply cannot get away with that under the law.

I wonder could it be that the idea is abroad that if St. Joseph will just keep voting down bond issue after bond issue that they can keep polluting the river? Well, if you examine this law and the citations on enforcement and on injunctions in pollution cases, you will find they simply cannot do that. Now they have delayed and delayed and delayed and the time is here, your Honor, when we believe that something should be done and we are happy that you called this conference so we could at least get something started and find out where they are and I would like now to ask counsel for St. Joseph, when do you file your answer?

MR. WOOD: The answer is ready. I will not have it on this hearing. I proceeded to set up the procedure and it should bring out the objectives, how we are going to do it, etc. We have some way to base the theory on our answer now. Are you against the City or what are you trying to do?

MR. DEPPING: Do you mean to say you do not know what the objective is?

MR. WOOD: I don't know the objective.

THE COURT: I want the City on record as well as the

Government.

MR. DEPPING: Then to start with, what can be done? They have not followed the time table. The suit now has been brought after all of this delay. Now I suppose the question is if the City is enjoined, what power does the Court have to enforce its order.

THE COURT: That is the primary question in my mind exactly. I have no question, except to know the procedure.

MR. DEPPING: Now, of course, everybody knows, 18 U.S.C.A., Section 401, provides "A court of the United States shall have power to punish by fine or imprisonment, at its discretion, such contempt of its authority, as disobedience or resistance to its lawful writ, process, order, rule, decree or command."

Of course, everybody knows that the City can't be put in jail, but there are other ways to handle the situation, and the first case I want to call to your Honor's attention is the case of New Jersey vs New York City. I might say at this point that I have a brief here. We were in the process of finishing up a brief on the motion to add these additional defendants when we found out that the motion had been overruled, but I brought the brief along anyway because we put in at least some of our cases. It is not a complete brief on the subject but some of them are there on this series, and I will hand counsel a copy.

THE COURT: I haven't seen it.

MR. DEPPING: Now this case of New Jersey versus New York City. New York City was dumping its garbage into the harbor and the waters washed the garbage over onto the shores of New Jersey. Suit was brought against New York City to enjoin them from doing this. I think there are at least two opinions in the case. A master was appointed and hearings were held and it was finally decided that they would build incinerators, that New York City was to build incinerators to dispose of the garbage and quit dumping it into the ocean and washing it over on New Jersey. They couldn't raise the money and they had delays of that kind and finally -- I will not go into the details of it because it is all in there in the opinion, but I will read the order that was entered. This is the Supreme Court speaking in 290 U. S. 237:

> "1. On and after July 1, 1934, the defendant, The City of New York, its employees and agents, and all persons assuming to act under its authority, be and they are hereby enjoined from dumping, or procuring or suffering to be dumped, any garbage or refuse, or other noxious, offensive or injurious matter, into the ocean, or waters of the United States, off the coast of New Jersey, and from otherwise defiling or

polluting said waters and the shores or beaches thereof or procuring them to be defiled or polluted as aforesaid.

2. If defendant shall fail to comply with paragraph 1 of this decree by July 1, 1934, it shall pay to plaintiff $5,000.00 a day until it does so comply; such payments however are to be without prejudice to any other relief to which complainant may be found entitled.

3. Plaintiff shall have and recover from defendant the sum of $2,160.79 for the use and benefit of its political subdivisions above referred to."

Now right there in that one case is authority enough for your Honor to fine the City of St. Joseph so much a day if they disobey the decree of this Court.

Now, in another case, Wisconsin versus Illinois, 281 U. S. 179, there was a suit in which the State of Illinois and the Sanitary District of Chicago were enjoined from diverting waters from the Great Lakes in excess of certain amounts for carrying away the sewage of Chicago. Honorable Charles Evans Hughes was the master in the case, and there are two opinions, one by Mr. Justice Taft and the other by Mr. Justice Holmes. The point was being made that Illinois didn't have the money to complete the facilities. It was not a treatment plant, but facilities for carrying away the sewage in compliance with the order of the Court as to the diversion of waters from the lake, and on that point Mr. Justice Holmes very succinctly stated it this way:

> "It already has been decided that the defendants are doing a wrong to the complainants and that they must stop it. They must find out a way at their peril."

So it seems that the city of St. Joseph is doing a wrong and they must find a way out at their peril.

Now, I might call your Honor's attention -- but I won't take the time to find it now --

THE COURT: It is all in the brief, that will clear the situation.

MR. DEPPING: I have a decree in one of these cases, in Wisconsin versus Illinois. Here is the decree I was looking for in the Wisconsin-Illinois case.

> "On and after July 1, 1930, the defendants, the State of Illinois and the Sanitary District of Chicago, are enjoined from diverting any of the waters of the Great Lakes,"

and it sets out how much water they shall use and all that.

Now, number 5:

"That the defendant the Sanitary District of Chicago shall file with the clerk of this court semi-annually on July first and January first of each year, beginning July first, 1930, a report to this court adequately setting forth the progress made in the construction of the sewage treatment plants and appurtenances outlined in the program as proposed by the Sanitary District of Chicago, and also setting forth the extent and effects of the operation of the sewage treatment plants, respectively, that shall have been placed in operation, and also the average diversion of water from Lake Michigan.

"That on the coming in of each of said reports, and on due notice to the other parties, any of the parties to the above entitled suits, complainants or defendants, may apply to the court for such action or relief, either with respect to the time to be allowed for the construction, or the progress of construction, or the methods of operation, of any of said sewage treatment plants, or with respect to the diversion of water from

> Lake Michigan, as may be deemed to be appropriate."

Then there is another provision that they may file a decree for any further relief that they might desire.

There are two opinions in the Sanitary District case. The one I read a while ago is the one by Mr. Justice Holmes, and this one in 278 U. S., at page 397, by Mr. Justice Taft, and I just will read one paragraph or so from that.

> "The Sanitary District authorities, relying on the argument with reference to the health of its people, have much too long delayed the needed substitution of suitable sewage plants as a means of avoiding the diversion in the future. Therefore they can not now complain if an immediately heavy burden is placed upon the District because of their attitude and course."

That is exactly what has been going on here.

> "The situation requires the District to devise proper methods for providing sufficient money and to construct and put in operation with all reasonable expedition adequate plants for the disposition of the sewage through other means than the Lake diversion.

> "Though the restoration of just rights to the complainants will be gradual instead of immediate it must be continuous and as speedy as practicable, and must include everything that is essential to an effective project."

I don't know what more authority is needed than that language by Mr. Justice Taft and the $5,000.00 a day penalty imposed upon New York City, and I might say that the imposition of that penalty, your Honor, worked wonders. The incinerators were built and the garbage was no longer dumped into the New York Harbor, and if New York City had been permitted to do what St. Joseph is trying to do here, just say they are going to vote down the bond issue each time, they still might be floating their garbage I suppose over there off of the shores of New Jersey.

Now there are some other cases here, your Honor. I might say that a point has been made here too, and, of course, it is more or less hoped that St. Joseph is a guinea pig, but I think I have told you enough in the beginning to show you that St. Joseph is not being picked on, but there are all kinds of cases in the books on pollution cases against cities.

There is one cited against the City of Harrisonville. They were running sewage against the W. S. Dickey farms.

THE COURT: The question is not whether the city is being "picked on". The Court has a law suit before it and whatever the law is, whether it is abused or isn't --

MR. DEPPING: What I was coming to, your Honor, is that there are so many cases in the books.

THE COURT: I understand.

MR. DEPPING: Cases in which cities have been enjoined from polluting streams, I mean before ever this law was passed, and I just have a few of them from New Jersey but I am not going to read any more. They are right there in the brief, but one of the points in one of the cases is that the people did not have the money and they started right out -- had they proceeded promptly to carry out their plans, it is probable that the expense would have been much less than was necessary at the later date. They knew in 1935 when some contracts were entered into that they were going to have to sooner or later meet this, but they put it off and didn't have the money, and the Court held in that New Jersey case that that was absolutely no defense.

Now, one other thing that I forgot to mention is that some people may seem to think that because St. Joseph is a municipality that they have some right to pollute the stream. Now, in the first place, I don't have them in this brief because we weren't briefing that point. There is no such thing as a prescriptive right to maintain a nuisance, and as a municipality, 18 McQuillan on Corporations at page 536 states, "The general rule in most states is that if a nuisance is created, a municipality is liable, for as has been said, 'a municipality has no more right to pollute waters than has an individual'", and further on page 540, "In a proper case of polluting, discharging sewage may be prevented by injunction", and in a note there are thirteen different citations, and it is also to be noted that in this act municipalities are defined, recognized and no doubt the true defenders of the law would be municipalities. Municipalities are defined in Section 46(c).

Now, I believe that is all that I have for the moment, your Honor, unless you would like to ask some questions.

THE COURT: After I hear from Mr. Wood. Mr. Wood, what do you have to say?

MR. WOOD: There is not too much that I can add here. There is no argument with these people about this situation. I think it simply boils down to a practical matter how we are going to get this done. I am not saying this is not a good thing or we shouldn't do it or you don't have the power to do it, or anything like that. I am simply asking you people how are we going to do it? If you want to fine the City or put a padlock on, that is fine, but that is not going to correct the matter. The City Council, the Mayor, and everybody stands ready to do whatever you people ask in the way of getting something done that is in our power and we still hold that position. You are talking about us being in default. We were on schedule up to the time of this election. The election was held on schedule. The people have turned the bond issue down. That put a quietus on us right there when they did that. We were finished as far as getting any money. We stood waiting to see what you people would say what we should do next. So far as I know we have never been contacted by any of your group since that time with any specific recommendations of what is the next step to be taken. If we had, we would certainly have complied. We would have done whatever you had liked within our power. We still say we will do that.

Like I say, putting a padlock on the City Hall isn't going to relieve the situation. You say they must find a way at their peril. That seems like a way of dodging the issue, if you can't we are going to look the door and close you up. About the only thing I can repeat or say in the situation is that I have talked to the Council and I have talked to the Mayor. They stand ready to put this issue before the people again at whatever time and do it any way you people see fit to do it, and beyond that, I don't know what else we can do.

As I have stated in the brief and in our motion, and you people evidently feel the same way, it is the people of the City who are polluting the river. The City as an appropriate entity is not arbitrarily holding up any action. We have passed ordinances, we have declared an election, done everything that is within our power and stand ready to do that yet, but if you think that by ordering us to do something that is not within our power to do, we regret the situation and I fail to see how that is going to get the job done, but as I tell the Court, we do stand ready to do anything and everything that is within our power and I don't see how we can do things more than that.

THE COURT: Well, Mr. Wood, I doubt that that is an answer to this situation. While this matter is before the Court for final determination, the Court cannot prejudge it and has no intention to at this time, or of expressing any opinion about the factual situation, but I doubt that it is the duty of the Government to advise the City as to what course it shall take. That is the sole responsibility of the City as to what its course shall be to eliminate this situation.

(Whereupon, discussion was had off the record.)

While I have not had an opportunity to read the decisions defining the law applicable to this situation, in a general way I know what it is, and there has never been the slightest thought in the mind of the Court that it had the power through its decree, to say to the City Council that it should pass an ordinance calling an election to vote bonds for the financing of a sewage disposal plant. That is purely a Governmental function on the part of the City, and this Court has no right to dictate such a function.

This Court cannot say to the Mayor that he shall act in any particular manner or that he should sign any ordinances that might be passed by the Council. The Court can only deal with the situation as the facts develop and the law directs.

The sole question for the Court to determine is whether or not the conditions described in the Government's Complaint that the dumping of sewage into the river is resulting in its pollution within the meaning of the Act. In determining that question the transcript of the testimony taken by the administrative body is admissible in evidence, and such other evidence as the Court desires to hear is admissible. If either of the parties has any evidence in addition to that contained in the transcript, the Court will determine the admissibility of that evidence. The Court may also require additional evidence which is not in the transcript, or which neither party proposes to introduce.

I shall be glad to have the suggestions of either party, in due time, as to what additional evidence, if any, it may desire to present, and following such suggestions if the Court desires additional evidence, that desire will be made known to the parties.

I think we had better have another conference in this matter either in January or February, and determine at that time what progress has been made.

The question of adequate water supply for the entire country is becoming increasingly perplexing, and as it does become more perplexing, the question of the pollution of the streams presents a most serious problem.

Until a few years ago the garbage produced by most cities was gathered up and disposed of through feeding to hogs or buried, or in some other like manner, but during the past decade practically every new house that has been constructed has a garbage disposal and many thousands of older kitchens have been rebuilt and garbage disposals installed. This means that the accumulation of garbage is ground up and enters the sewers and dumped into the streams and contributes to the pollution of the streams. These are all matters about which the Court can almost take judicial notice.

As the living conditions in cities become more complicated, so does the problem of the pollution of streams become more complicated. This is the problem which the Government is apparently attempting to solve.

In making these statements the Court does not mean to prejudge the facts in this case. I suggest Mr. Wood, that you file your answer within ten days. There can be no further motions in the case. When you have filed your answer, then we will know how to proceed.

It will likely take some time to get this case ready for trial, and the Court would like to know what the issues are as soon as possible. It would like to have an engineering estimate as to the cost of the construction of a sewage disposal plant and the probable length of time required to construct such a plant. When that has been done the Court will lay down the ground rules, so to speak, for further action to be taken by the parties.

If the City refuses to meet the situation as the Government insists that it should, and if, upon a trial of the case the Court should determine that the dumping of sewage into the river results in pollution, then the Court must determine what the penalty should be. It does not mean the locking of the City Hall as suggested by the City Counselor, but it might mean the sticking of the juridical hand into the City's till by way of the imposition of a fine or penalty. That is the only power this Court has in such cases.

A municipal corporation is like any other corporation made up of stockholders, the City's stockholders being its citizens. Such stockholders become responsible for the action and conduct of its Board of Directors.

The Mayor and the Common Council cannot compel the citizens to vote a bond issue, but such officers can, in the performance of their corporate duties, initiate the proceedings

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necessary for the citizens' approval. In other words, can put into operation the necessary machinery to bring about the desired result.

The administrative body has conducted its hearing and there is before the Court a transcript of 775 pages of testimony taken at that hearing. Pursuant to that hearing it duly served notice upon the City as to its findings.

I do not propose to engage in a long hearing in this matter. The issues should be made comparatively simple. The Court will then make its findings of fact and conclusions of law and enter its judgment accordingly.

It is to be hoped that an understanding may be reached as a result of this meeting that will preclude the extreme penalty which the law apparently provides.

Now, Mr. Wood, I do not believe, as heretofore stated, that it is the duty or responsibility of the Government to say to the City, "You must have a bond issue", or that you shall do any other positive act except to cease dumping sewage into the waters of the river, if that is being done. The manner in which that is to be done is to be determined by the City and not by the Government.

The Government has already made its requirements under the statute. This was done by the conduct of the hearing, by the service of notice upon the City, and upon failure to comply with that notice, the filing of this suit.

The City Counselor has suggested that all that can be done has been done, that it is not possible for it to comply with the orders of the department concerning the pollution of the river. If that is to be the position of the City, then, of course, the case will have to be proceeded with in accordance with that view, not losing track of the fact that in this case as in every other case it is the duty of the Government to prove its case by the preponderance of the evidence, i.e., prove the waters of the Missouri River are being polluted by the dumping of the City sewage into it.

I think the Court should proceed to the hearing and determination of this case in the regular course, which will be at the March term, unless by that time it is apparent that the City is making some effort to solve the problem.

MR. DEPPING: If there is to be additional evidence, that problem can be handled by pre-trial conference.

THE COURT: Yes, I would think so.

MR. DEPPING: But I might say this, that the great part of the evidence of the Government is all in that transcript, and after we get into that, some of the points that you raise and some of the points that might be raised in the pretrial conference might require some additional evidence. We might want to supplement some and we might want to call some witnesses back to explain their testimony, but I am absolutely convinced right now, after a thorough study of this transcript, that the Government has all the evidence that it needs.

THE COURT: It is generally known, I am sure, that the Court has long been familiar with the situation in St. Joseph dating back over a period of more than thirty years when the judge of this Court was the City Counselor of this City and had to deal with many problems concerning the gathering and disposal of garbage.

The problem of providing a purification plant or whatever method is adopted for handling its sewage, presents a rather unusual situation in St. Joseph.

Again referring to my personal experiences with the problems of St. Joseph, I engaged in the re-valuation of some of the City's utilities and in the negotiation of utility rates with respect to other utilities in St. Joseph, and the question was often asked why a differential in ready-to-serve or minimum charges in St. Joseph. The answer was that St. Joseph lies along the Missouri River extending in an area five or six miles north and south and about two miles east and west, and in that area a much larger population could be served by the existing facilities. The same is true with respect to the sewage system. There are a great number of combination storm and sanitary sewers in St. Joseph which present a further complication in the solving of the present pollution problem.

All of these are matters which the Court must ultimately take into consideration if it becomes necessary to try this case, and it is information concerning these matters that the Court must have upon the record although they may be within the knowledge of the Court to a considerable degree.

I am glad that the Department of Justice has assigned Mr. Depping to handle this case. As we know, Mr. Depping, a former Kansas City Attorney, has had very wide experience in the handling of a great mass of important litigation. A considerable part of that important litigation was handled before the judge of this Court.

I am sure that he and Mr. Warner, who is head of the Lands Division of the Department under which this litigation comes, can be depended upon to help solve the problem.

Gentlemen, I shall be glad to have any further suggestion either of you have as to the introduction of testimony in this case, if it is necessary to try it. I shall call another conference if it seems advisable, around the middle of January or the early part of February.

I appreciate also the position that the City Council is in and the City Administration. I assume they will make another attempt to get the bond issue through. I do not know but I think we can anticipate it. So, Mr. Wood, I hope that you will feel free to advise with these gentlemen and with the Court, if you desire, in a matter where there is such broad discretion as there is in this case imposed upon the Court.

I am glad to be at your service any time. Do you have something to say?

MR. WARNER: I was just wondering, your Honor, if you contemplate attempting to set a formal pre-trial conference this morning?

THE COURT: No, sir, I do not. I think there is nothing we can do now. I do not know what will happen. We will get your views and the views of the City and unless you have something to suggest --

MR. DEPPING: I imagine I should inquire with reference to the possibility which we could not see and for which we continue to hope, that the City might go ahead and call another election.

THE COURT: I suppose that is true.

MR. DEPPING: I was simply curious at this time if Mr. Wood could make any statement as to how long the procedure requires for calling another election, if the City should desire to do so.

MR. WOOD: I might say that usually we figure we are cutting the corners in considering the time plus the publication as forty-five days. That would be pretty quick and perhaps I am premature in saying it now because there has nothing been done, but it has been the concensus of opinion that perhaps the best we could do would be the end of February or perhaps right after the first of March, and I think it is primarily a job of educating -- and I might add that I voted for the bond issue myself at the last election, and it was close -- and it is primarily a job of education and this is something that the City says came up over night. Of course, the old people are all home owners and vitally interested and the old people would like that we should not change their views over night.

THE COURT: We are talking critically now and not legally. You have already had ample time to educate the people.

(Whereupon, discussion was had off the record.)

I do not want anything I have said to be taken as the final, ultimate conclusion of the Court. This is informal. I want you to all understand each other. You understand their position and they understand your position and I understand both of your positions.

MR. DEPPING: We have not filed this brief in answer to the motion because we learned that you had overruled the motion.

THE COURT: Mr. Wood, I did not write an opinion when I overruled the motion, but to make all of the people of St. Joseph parties is a physical and legal impossibility. Every time a new child is born and every time some one died, you would have to amend, and all that sort of thing. That is one of the utterly impossible things to do.

MR. DEPPING: The reason the brief is not signed is because it is not filed.

THE COURT: Do you want to file it?

MR. DEPPING: No, we don't want to file it, but we had those other things in it.

THE COURT: Just so I have it.

MR. DEPPING: It is not filed and it is not a complete brief on the subject any way because we were just waiting.

THE COURT: Is there anything else that anybody wishes to say? I will be glad to hear you on it.

MR. WOOD: I do not believe there is anything I have to say.

THE COURT: I am glad to meet with you, and whatever you are going to file, please get it in and sometime in January we may come back again.

AND, the foregoing were all of the proceedings had at such informal hearing.

CERTIFICATE

I, EMILY F. MILES, a Shorthand Reporter, do certify that I was personally present as the official reporter at the informal conference in the above entitled cause at the time and place set forth in the caption sheet hereof; that I then and there took down in shorthand the proceedings had at said time, and that the foregoing is a full, true and correct transcript of such shorthand notes so made at such time and place.

Emily F. Miles
Official Reporter

Summary of Conference

POLLUTION OF INTERSTATE WATERS
of the
MISSOURI RIVER--OMAHA, NEBRASKA AREA--(NEBRASKA-IOWA-MISSOURI-KANSAS)

The Missouri River beginning north of Omaha, Nebraksa, and flowing south from that point to St. Joseph, Missouri, forms a boundary between Nebraska and Iowa, Nebraska and Missouri, and Kansas and Missouri. The principal municipalities in this stretch of the river are Blair, Bellevue, Nebraska City, Omaha, and Plattsmouth, Nebraska, and Carter Lake and Council Bluffs, Iowa.

On the basis of reports, surveys and studies, the Surgeon General having reason to believe that pollution of the Missouri River caused by discharges of untreated sewage and industrial wastes by Blair, Bellevue, Nebraska City, Omaha, and Plattsmouth, Nebraska, and Carter Lake and Council Bluffs, Iowa, is endangering the health and welfare of persons in States other than that in which the discharge originates, called a conference on the matter of pollution of the interstate waters of the Missouri River--Omaha, Nebraska area (Nebraska, Iowa, Missouri and Kansas). The conference was held on June 14, 1957 in the Council Chambers, City Hall, Omaha, Nebraska.

The following conferees representing the State water pollution control agencies of Nebraska, Iowa, Missouri, and Kansas and the Public Health Service attended the conference:

Leonard B. Dworsky	U. S. Public Health Service Kansas City, Missouri
T. A. Filipi	Nebraska Department of Health
Albert W. Happy, Jr.	Missouri Division of Health
James R. Harlan	State Conservation Commission Des Moines, Iowa
Carl Hodgkinson	Kansas State Board of Health

Glen J. Hopkins	U. S. Public Health Service Kansas City, Missouri
Paul J. Houser	Iowa State Department of Health
R. J. Schliekelman	Iowa State Department of Health
Jack Smith	Missouri Division of Health
Murray Stein, Chairman	U. S. Public Health Service Washington, D.C.

Also participating in the conference were the following representatives of the City of Omaha who were invited by the Nebraska Department of Health:

D. P. DeBord	Acting City Engineer
Charles Durham	Consulting Engineer
John Rosenblatt	Mayor, Omaha, Nebraska
Herbert Ulrich	Sanitation Engineer
E. W. Woodbridge	City Engineer

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act (P.L. 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originate is subject to abatement under the procedure described in Section 8 of the Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take any remedial action which may be indicated under State and local law.

Mr. Glen J. Hopkins, Regional Engineer, Public Health Service, Region VI, read a general statement on the pollution of the interstate waters of the Missouri River - Omaha, Nebraska area.

Mr. T. A. Filipi, Director, Division of Sanitation, Nebraska Department of Health presented a statement concerning the sources of pollution in Nebraska and the nature of the wastes.

Mr. Paul J. Houser, Director, Division of Public Health Engineering, Iowa State Department of Health, presented a statement concerning the sources of pollution in Iowa and the nature of the wastes and the effects of pollution on present and potential water uses in Iowa.

Mr. James R. Harlan, Assistant Director, State Conservation Commission, Des Moines, Iowa, presented a statement on the effect of pollution on present and potential recreational uses of the Missouri River in Iowa.

Mr. Albert W. Happy, Jr., Director, Bureau of Public Health Engineering Missouri Division of Health, and Mr. Jack Smith, Engineer in Charge, Water Pollution Control Program, Missouri Division of Health, presented a statement concerning the effects of pollution on actual and potential water uses in Missouri.

Mr. Carl Hodgkinson, Water Pollution Control Program, Kansas State Board of Health, presented a statement on the effects of pollution on present and potential water uses in Kansas.

Mayor John Rosenblatt, Mr. Herbert Ulrich, Mr. E. W. Woodbridge, Mr. D. P. DeBord, and Mr. Charles Durham reported on action proposed to be taken by the City of Omaha, Nebraska, to install adequate waste treatment facilities.

In the light of the conference discussions, the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Missouri River - Omaha, Nebraska, area. Sewage and industrial wastes from Blair, Bellevue,

Nebraska City, Omaha, and Plattsmouth, Nebraska, and Carter Lake and Council Bluffs, Iowa, are finding their way into the waters of the Missouri River, an interstate water as defined by the Federal Act. Such discharges cause pollution of the Missouri River so as to endanger the health and welfare of persons in Nebraska, Iowa, Kansas, and Missouri, States other than that in which the discharges originate.

2. That the major source of such pollution is Omaha, Nebraska.

3. That the effects of this pollution are (1) deterioration of water quality for public water supply of St. Joseph, Missouri with associated enhancement of possible disease transmission; (2) increased concentrations of coliform and other organisms associated with human diseases which constitute a health hazard to commercial and recreational users of the river; (3) deterioration of water quality so as to interfere with its use for stock watering; (4) deterioration of water quality so as to prevent full use of the commercial fishery of the Missouri River below Blair, Nebraska; (5) deterioration of water quality so as to create conditions inimical to fish and wildlife in the area; and (6) impairment of water quality for many industrial uses.

4. That the measures presently used for disposal of sewage and industrial wastes from Blair, Bellevue, Nebraska City, Omaha, and Plattsmouth, Nebraska, and Carter Lake and Council Bluffs, Iowa, are not adequate to secure abatement of pollution of the interstate waters of the Missouri River.

5. That the delays encountered in the abatement of such pollution are due to the lack of installation of adequate waste treatment facilities or other methods for reduction of pollution by the municipalities and industries concerned.

6. That Blair, Bellevue, Nebraska City, Omaha, and Plattsmouth, Nebraska, and Carter Lake and Council Bluffs, Iowa, should provide adequate treatment for wastes prior to their discharge;

7. That detailed final plans and specifications for the improvement and expansion of Papillion Creek waste treatment plant in Omaha be completed by September 1, 1957 and contract awards for construction of this facility be made by January 1, 1958; that detailed final plans and specifications for North Omaha interceptor sewers (Burt-Izzard District and above) be completed by July 1, 1958 and contract be awarded for the construction of this facility by January 1, 1959; that detailed final plans and specifications for North Omaha sewage treatment plant be completed by September 1, 1958 and contract be awarded for this facility by January 1, 1959; that detailed final plans and specifications for South Omaha interceptor sewers (below Douglas Street Bridge) be completed by September 1, 1959 and contract be awarded for this facility not later than January 1, 1960; that detailed final plans and specifications for a South Omaha sewage treatment plant be completed by September 1, 1959 and that a contract be awarded for this facility not later than January 1, 1960.

8. That the City of Omaha authorize the engineering study for South Omaha interceptor sewers and a South Omaha treatment plant by July 15, 1957.

9. That the City of Omaha, Nebraska, submit the financing of its proposed waste treatment facilities to its voters in November 1957.

10. That the Nebraska Department of Health and the Iowa State Department of Health report to the other conferees periodically as to progress. Such reports are to be made at not less than 6 month intervals. Included in the Nebraska report are to be statements on the meeting of the above schedule by the City of Omaha, the progress made to eliminate the discharge of untreated paunch manure, stock manure and bedding wastes from the stockyard district of Omaha, into the Missouri River, and the progress made by Blair, Bellevue, Nebraska City, Omaha, and Plattsmouth, Nebraska in installing adequate waste treatment facilities.

11. The Iowa reports will detail progress being made by Council Bluffs and Carter Lake, Iowa in installing adequate waste treatment facilities.

Summary of Conference

POLLUTION OF INTERSTATE WATERS
of the
MISSOURI RIVER--KANSAS CITIES METROPOLITAN AREA--(KANSAS CITY, KANSAS, KANSAS CITY, MISSOURI, AND NORTH KANSAS CITY, MISSOURI)

At the Kansas Cities Metropolitan Area - Kansas City, Kansas, Kansas City, Missouri, and North Kansas City, Missouri - the Missouri River forms a State boundary between Kansas and Missouri. The principal sources of pollution from these municipalities are untreated or inadequately treated sewage and industrial wastes which are discharged into the Missouri River or into the Kansas River just above its confluence with the Missouri River.

On the basis of reports, surveys, and studies, the Surgeon General of the Public Health Service, having reason to believe that pollution of the Missouri River caused by discharges of untreated or inadequately treated sewage and industrial wastes from the cities of Kansas City, Kansas, Kansas City, Missouri, and North Kansas City, Missouri, causes pollution subject to abatement under the Federal Water Pollution Control Act (P.L. 660, 84th Congress), called a conference on the matter of pollution of the interstate waters of the Missouri River - Kansas Cities Metropolitan Area (Kansas-Missouri). The conference was held on December 3, 1957 in the Council Chambers, City Hall, Kansas City, Missouri.

The following conferees representing the State water pollution control agencies of Kansas and Missouri and the Public Health Service attended the conference:

Albert W. Happy	Missouri Division of Health
Glen J. Hopkins	U. S. Public Health Service Kansas City, Missouri

Dwight F. Metzler	Kansas State Board of Health
Murray Stein, Chairman	U. S. Public Health Service Washington, D. C.

Also participating in the conference were the following:

P. G. Barnickol	Missouri Conservation Commission
H. Roe Bartle, Mayor	Kansas City, Missouri
Leonard B. Dworsky	U. S. Public Health Service Kansas City, Missouri
Henry M. Hardwicke, M.D.	Missouri Division of Health
Herbert O. Hartung	St. Louis County Water Company
Carl Hodgkinson	Kansas State Board of Health
J. H. Johnsen	Standard Oil Sugar Creek, Missouri
James Kelly	Administrative Assistant to Mayor Bartle Kansas City, Missouri
Colonel L. E. Laurion	U. S. Army Engineer District Kansas City, Missouri
Martin E. McMahom	Phillips Petroleum Company Kansas City, Kansas
Reed McKinley	Director of Public Works Kansas City, Missouri
Leo J. Moroney	Representing Mayor Paul Mitchum Kansas City, Kansas
R. D. Scharz, Mayor	North Kansas City, Missouri
Clifford Sharp	Haskins. Riddle & Sharp Consulting Engineers Kansas City, Missouri
Jack K. Smith	Missouri Division of Health

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act (P.L. 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originates is subject to abatement under the procedure described in section 8 of the Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take any remedial action which may be indicated under State and local law.

Mr. Glen J. Hopkins, Regional Engineer, and Mr. Leonard B. Dworsky, Assistant Regional Engineer, Public Health Service, Region VI, presented a general statement on the pollution of the interstate waters of the Missouri River - Kansas Cities Area.

Mr. Albert W. Happy, Chief Engineer, Missouri Division of Health, and Mr. Jack K. Smith, Chief, Water Pollution Control, Missouri Division of Health, presented a statement concerning the sources of pollution in Missouri, the nature of the wastes, the effects of pollution, and the status of remedial action.

Mr. Dwight F. Metzler, Chief Engineer, Kansas State Board of Health, and Mr. Carl Hodgkinson, Chief of Water Pollution Control Section, Kansas State Board of Health, presented a statement concerning the sources of pollution in Kansas, the nature of the wastes, the effects of pollution, and the status of remedial action.

Colonel L. E. Laurion, District Engineer, U. S. Army Engineer District, Kansas City, Missouri, presented a statement on the effect of pollution on the use of the Missouri River for navigation.

Mr. P. G. Barnickol, Missouri Conservation Commission, presented a statement on the effect of pollution on fish and wildlife in the Missouri River.

Mr. Herbert O. Hartung, Sanitary Engineer and Superintendent of Production, St. Louis County Water Company, presented a statement on the effect of pollution on sources of public water supply of the Missouri River.

Mayor H. Roe Bartle, Mr. Reed McKinley, Director of Public Works, and Mr. James Kelly, Administrative Assistant to the Mayor (Kansas City, Missouri), reported on action proposed to be taken by Kansas City, Missouri, to install adequate waste treatment facilities.

Mr. R. D. Sharz, Mayor, North Kansas City, Missouri, reported on action proposed to be taken by the City of North Kansas City, Missouri, to install adequate waste treatment facilities.

Mr. Leo J. Moroney, representing Mayor Paul Mitchum, Kansas City, Kansas, reported on action proposed to be taken by the City of Kansas City, Kansas, to install adequate waste treatment facilities.

Mr. J. H. Johnsen, Assistant Plant Manager, Standard Oil of Indiana, Sugar Creek, Missouri, reported on action proposed to be taken by the Standard Oil Company to install adequate waste treatment facilites.

Mr. Martin E. McMahom, Phillips Petroleum Company, Kansas City, Kansas, reported on action proposed to be taken by the Phillips Petroleum Company to install adequate waste treatment facilities.

In the light of the conference discussions, the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Missouri River - Kansas Cities Area. The major sources of such pollution are untreated and inadequately treated sewage and industrial wastes from Kansas City, Kansas, Kansas City, Missouri, and North Kansas City, Missouri, and local industrial establishments finding their way into the waters of the Missouri River (an interstate water as defined by the Federal Act) and tributary streams in the Kansas Cities metropolitan area.
2. That the effects of this pollution are (1) deterioration of water quality for public water supply at Lexington, Boonville, Jefferson City, Glasgow, St. Charles, St. Louis City, and St. Louis County, Missouri, with associated enhancement of possible disease transmission; (2) increased concentrations of coliform and other organisms associated with human diseases which constitute a health hazard to commercial and recreational users of the river; (3) deterioration of water quality so as to prevent the full use of the river as a commercial fishery; (4) deterioration of water quality so as to prevent the use of the river for sport fishing; (5) impairment of water quality so as to interfere with navigation; (6) impairment of water quality so as to interfere with actual and potential use of the river for many

industrial uses; (7) interference with water quality so as to degrade the Missouri River area below Kansas City as a wildfowl habitat; (8) deterioration of water quality to the extent that severe sight and odor nuisances have been created resulting in serious impairment of the river as a recreational area specifically preventing the use of various river front sites for recreational areas and parks.

3. That the measures presently used for disposal of sewage and industrial wastes from Kansas City, Kansas, Kansas City, Missouri, North Kansas City, Missouri, and associated industries are not adequate to secure abatement of pollution of the Missouri River.
4. That the delays encountered in the abatement of such pollution are due to the lack of installation of adequate waste treatment facilities or other methods for reduction of pollution by the municipalities and industries concerned;
5. That Kansas City, Kansas, Kansas City, Missouri, North Kansas City, Missouri, and associated industries should provide adequate treatment for wastes prior to their discharge;
6. That industries in the Kansas Cities Metropolitan Area should either discharge their wastes to a municipal waste collection and treatment system or provide adequate treatment for their wastes.
7. That basic engineering and feasibility reports for adequate treatment facilities be completed by Kansas City, Missouri, not later than March 1, 1958; cognizance is

taken of the fact that Kansas City, Kansas and North Kansas City, Missouri, already have done this.

8. That acceptance and revision of basic engineering and feasibility reports for adequate waste treatment facilities be completed by city officials of Kansas City, Missouri, and North Kansas City, Missouri, not later than September 1, 1958; cognizance is taken of the fact that Kansas City, Kansas, already has done this.

9. That the cities of Kansas City, Missouri, North Kansas City, Missouri, and Kansas City, Kansas, complete all necessary financial arrangements not later than September 1, 1959. The conferees strongly urge, however, that the Mayors and other city officials of these three cities explore the feasibility of putting the bond issue before the voters at an earlier date, preferably not later than January 1, 1959;

10. That the first construction contracts for these waste treatment facilities be let by Kansas City, Kansas, and Kansas City, Missouri, not later than January 1, 1960, by North Kansas City, Missouri, not later than June 1, 1960, with the understanding that the city officials of North Kansas City, Missouri, explore the feasibility of letting their first contract earlier so that it may coincide with the schedule of the other two cities;

11. That the balance of the construction contracts for these remedial works be let by Kansas City, Kansas, and Kansas City, Missouri, not later than March 1, 1960, and by North Kansas City, Missouri, not later than September 1, 1960, with the understanding that city officials of North Kansas City, Missouri, explore the feasibility of letting their contracts earlier so they will coincide with the schedule of the other two cities;

12. That adequate waste treatment facilities for Kansas City, Kansas, Kansas City, Missouri, and North Kansas City, Missouri, be completed and in operation by March 1, 1962, with the understanding that the complete separation of storm and sanitary sewage from Kansas City, Kansas, may not be effectuated until January 1, 1963;

13. That industry in the Kansas Cities Metropolitan Area either connect with a municipal waste disposal system or complete and put into operation adequate treatment works for disposal of domestic and industrial wastes not later than March 1, 1962, but that all efforts be made to secure earlier treatment.

14. That industry is to give the appropriate municipality ample notification before the municipality places the question of financing before its voters as to whether such industries are going to join the municipal waste disposal systems;

15. That the Kansas State Board of Health and the Missouri Division of Health will report to the other conferees periodically as to progress at six months intervals starting July 1, 1958.

THE SECRETARY OF HEALTH, EDUCATION, AND WELFARE
WASHINGTON

In the Matter of the POLLUTION OF THE INTERSTATE WATERS Of The MISSOURI RIVER AND CONNECTING OR TRIBUTARY WATERS IN OR ADJACENT TO THE KANSAS CITIES METROPOLITAN AREA

NOTICE

There is attached hereto, and made a part hereof, the Findings, Conclusions, and Recommendations, dated June 17, 1960, of the Hearing Board, convened pursuant to the provisions of section 8 (e) of the Federal Water Pollution Control Act [33 U.S.C. 466g (e)], which held a public hearing in the matter of pollution of the interstate waters of the Missouri River and other interstate waters connecting therewith or tributary thereto in or adjacent to the Metropolitan area of Kansas City, Kansas; Kansas City, Missouri; North Kansas City, Missouri.

The Board found that the cities of Kansas City, Kansas; Kansas City, Missouri; North Kansas City, Missouri; and the firms named below are discharging sewage, industrial, and other wastes causing or contributing to pollution of interstate waters which endangers the health or welfare of persons in a State other than that in which the discharges originate, by discharges into or reaching the Kansas River; Turkey Creek Sewer or the Missouri River.

In accordance with section 8 of the Federal Water Pollution Control Act, the City of Kansas City, Kansas; the City of Kansas City, Missouri; the City of North Kansas City, Missouri; Fairfax Drainage District of Kansas; Kaw Valley Drainage District of Kansas; and the following named industrial establishments:

Kansas City Stockyards Company
Livestock Exchange Building
1600 Genessee Street
Kansas City, Missouri

Bio-Laboratories, Inc.
50 North 2nd Street
Kansas City, Kansas

National Cylinder Gas Company
1614 State Avenue
Kansas City, Kansas

The National Laboratories Corporation
1721 Baltimore Avenue
Kansas City, Missouri

Phillips Petroleum Company
2029 Fairfax Trafficway
Kansas City, Kansas

Proctor & Gamble Manufacturing Company
1900 Kansas Avenue
Kansas City, Kansas

Atchison, Topeka, and Santa Fe
Railroad Company
Fairfax Building
Kansas City, Missouri

Sinclair Refining Company
906 Grand Avenue
Kansas City, Missouri

Swift & Company
10 Berger Avenue
Kansas City, Kansas

Midwest Cold Storage &
Ice Corporation
1101 South 5th Street
Kansas City, Kansas

Buick, Oldsmobile, & Pontiac
Assembly Plant
100 Kindleberger Road
Kansas City, Kansas

are hereby notified and directed to cease and desist from discharging, without proper, adequate and effective treatment, such sewage, industrial, and other wastes into said waters and to secure abatement of such pollution, by the completion and placing into operation of proper, adequate, and effective municipal and industrial sewage and waste collection, treatment and disposal facilities within a reasonable time after January 1, 1963.

I hereby find that compliance with the schedule contained in the Recommendations of such Hearing Board is necessary to constitute action reasonably calculated to secure abatement of such pollution within a reasonable time after January 1, 1963.

Dated: June 30, 1960

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE U.S.A.

/s/Arthur S. Flemming
Secretary

In the Matter of the
POLLUTION OF THE INTERSTATE WATERS
# of the
MISSOURI RIVER AND CONNECTING OR TRIBUTARY WATERS IN OR ADJACENT TO THE KANSAS CITIES METROPOLITAN AREA

FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS OF THE HEARING BOARD

The matter of the pollution of the interstate waters of the Missouri River and other interstate waters connecting therewith or tributary thereto in or adjacent to the Metropolitan Area of Kansas City, Kansas, and Kansas City, Missouri, came duly on for hearing at Kansas City, Missouri, on the 13th day of June, 1960 at 9:00 o'clock a.m., before the board hereinafter named, appointed therefor by the Secretary of Health, Education, and Welfare, pursuant to the call of the Secretary, dated May 17, 1960, under the provisions of the Federal Water Pollution Control Act and the regulations prescribed thereunder, and upon due notice of said hearing given, issued, and served as provided therein. Said hearing was continued on June 14, 15, 16 and 17, 1960, and was then concluded and adjourned. Said Board consisted of the following named persons:

Chester S. Wilson, Chairman

William C. Salome (representing the State of Kansas)

Freeman R. Johnson (representing the State of Missouri)

Sylvester E. Ridge (representing the United States Department of Commerce)

Blucher A. Poole

John S. Samson

Robert C. Ayers, Executive Secretary

The following appearances were entered:

The Surgeon General of the Public Health Service, United States Department of Health, Education, and Welfare, by Murray Stein, Chief, Interstate Enforcement, Water Supply and Pollution Control; Sidney Edelman, Public Health Division, Office of the General Counsel, Department of Health, Education, and Welfare; and Glen J. Hopkins, Regional Engineer, Public Health Service, Region VI;

Missouri Water Pollution Board, by Jack K. Smith, Executive Secretary;

Kansas State Board of Health, by Dwight F. Metzler, Director, Division of Sanitation;

City of Kansas City, Missouri, by Richard H. Koenigsdorf, City Counselor and Benjamin F. Powers, Assistant Counselor;

City of Kansas City, Kansas, by Paul F. Mitchum, Mayor, C. W. Brenneisen, Jr., City Attorney, Carl Hodgkinson, Consulting Engineer, and Truman Schlup, Consulting Engineer;

Fairfax Drainage District of Kansas by Clifford Sharp, Consulting Engineer, and B. Steenhaf;

Kaw Valley Drainage District of Kansas, by R. D. White, and Truman Schlup, Consulting Engineer;

Kansas City Stockyards Company, by Jay B. Dillingham, President;

Bio-Laboratories, Inc., by J. L. Kennedy and Dale Kennedy and by Ralph McKee;

National Cylinder Gas Company, by L. J. Roper, District Manager, R. H. Black, and Ludwig Zengeler, Vice-President;

National Laboratories Corporation, by M. F. Wallace, President;

Phillips Petroleum Company by Reed R. Parker, and Martin E. McMann, Engineering Department, Bartlesville, Oklahoma;

Procter & Gamble Manufacturing Company by Ralph C. Peterson, Chemical Engineer;

Atchison, Topeka, and Santa Fe Railroad Company by J. B. Reeves, Attorney, and C. H. Sandberg, Chief Engineer;

Sinclair Refining Company, by William N. Smith, Terminal Manager;

Swift & Company, by William B. Elson, Jr., Attorney and F. W. Sollo;

Midwest Cold Storage & Ice Corporation by W. Irving Moss, Jr., and John Murphy, Attorney;

General Motors Corporation, Buick, Oldsmobile, and Pontiac Assembly Division, by John Murphy, Attorney;

Corn Products Refining Company, by John R. Moberly, Attorney and H. B. Franey;

American Asphalt Roofing Company, by J. R. Humble, Plant Engineer and A. M. Eberle;

City of North Kansas City, Missouri, by Clifford Sharp, Consulting Engineer;

Chevrolet Assembly Plant, Chevrolet-Kansas Division of General Motors Corporation, by John Murphy, Attorney;

Fisher Body Division, Kansas City Plant, General Motors Corporation, by John Murphy, Attorney;

Schenley Distillers, Incorporated, by W. E. Heidler;

Bendix Aviation Corporation by R. R. Griner and Robert T. Foster;

Prier Brass Manufacturing Company, by Henry J. Hodes;

The Ruberoid Company, by A. M. Eberle, General Superintendent and J. R. Humble, Plant Engineer;

Chamber of Commerce, Kansas City, Missouri, by Herbert Wiggs;

Chamber of Commerce, Kansas City, Kansas, by Ralph Bates.

Now, based on the evidence presented at said hearing the Board makes the following findings, conclusions, and recommendations:

FINDINGS OF FACT

1. All the actions of the Surgeon General of the Public Health Service and the Secretary of Health, Education, and Welfare with respect to the matters involved in this proceeding, as prescribed by the Federal Water Pollution Control Act, were performed and completed prior to the holding of the hearing.

2. The Missouri River, between a point above and near Kansas City, Kansas, and a point below and near the mouth of the Kansas River, flows in a generally easterly direction, constituting a portion of the boundary between the States of Missouri and Kansas. From said last mentioned point said river continues to flow in a generally easterly direction through the State of Missouri to its junction with the Mississippi River. Turkey Creek, including that portion thereof which is now covered and used as a sewer together with the watercourse above and flowing into said covered portion, arises in the State of Kansas, flows in a generally northeasterly direction into the State of Missouri, and thence in a northwesterly and westerly direction into and through the State of Kansas to the junction of said creek with the Kansas River to which said creek is tributary. The Kansas River flows from above said junction in a generally northerly direction through the State of Kansas to the junction of said river with the Missouri River to which said Kansas River is tributary. All of said waters are interstate waters as defined by the Federal Water Pollution Control Act.

3. The City of Kansas City, Kansas, the Fairfax Drainage District of Kansas, the General Motors Corporation, Buick, Oldsmobile, and Pontiac Assembly Division, the Phillips Petroleum Company and each of them have been and now are discharging sewage and industrial and other wastes into said Missouri River,

which discharges originate in the State of Kansas, have the effects hereinafter described, and cause and contribute to substantial pollution of the interstate waters of said river in and adjacent to the State of Missouri, which pollution endangers the health and welfare of persons in said state. The City of North Kansas City, Missouri has been and now is discharging sewage and industrial and other wastes into said Missouri River which discharges originate in the State of Missouri, have the effects hereinafter described, and cause and contribute to substantial pollution of the interstate waters of said river in and adjacent to the State of Kansas, which pollution endangers the health and welfare of persons in said State.

4. The City of Kansas City, Kansas, the Kaw Valley Drainage District of Kansas, the Kansas City Stock Yards Company, the Bio-Laboratories, Inc., the National Cylinder Gas Company, the National Laboratories Corporation, the Procter and Gamble Manufacturing Company, the Atchison, Topeka, and Santa Fe Railroad Company, the Sinclair Refining Company, Swift and Company, and the Midwest Cold Storage and Ice Corporation and each of them have been and now are discharging sewage and industrial and other wastes into said Kansas River, thereafter reaching the Missouri River through said Kansas River, which discharges originate in the State of Kansas, have the effects hereinafter described, and cause and contribute to substantial pollution of the interstate waters of said Missouri River in and adjacent to the State of Missouri, which pollution endangers the health and welfare of persons in said state.

5. The City of Kansas City, Kansas, has been and now is discharging sewage and industrial and other wastes into said Turkey Creek, thereafter reaching said Missouri River through said creek and through said Kansas River, which discharge originates in the State of Kansas, has the effects hereinafter described, and causes and contributes to substantial pollution of the interstate waters of said Missouri River in and adjacent to the State of Missouri, which pollution endangers the health and welfare of persons in said state.

6. The Kansas City Stock Yards Company has been and now is discharging sewage and industrial and other wastes into said Kansas River, thereafter reaching the Missouri River through said Kansas River, which discharge originates in the State of Missouri, has the effects hereinafter described, and causes and contributes to substantial pollution of the interstate waters of said Kansas River and said Missouri River in and adjacent to the State of Kansas, which pollution endangers the health and welfare of persons in said state.

7. The City of Kansas City, Missouri, has been and now is discharging sewage and industrial and other wastes into said Turkey Creek, thereafter reaching the Kansas River through said Turkey Creek and the Missouri River through said Kansas River which discharge originates in the State of Missouri, has the effects hereinafter described, and causes substantial pollution of the waters of said Kansas River and said Missouri River in and adjacent to the State of Kansas, which pollution endangers the health and welfare of persons in said state.

8. The municipalities of Lexington, Glasgow, Boonville, Jefferson City, St. Charles, and St. Louis, and the St. Louis surburban area, respectively, or water utility companies serving the same, use for their public water supplies the waters of said section of the Missouri River below all the discharges aforesaid and are dependent thereon for such supplies. The pollution of said waters from the sources aforesaid causes deterioration of the quality of said waters for the purposes of said public water supplies, in that with said pollution there is continuous danger of introduction into said waters of disease-producing organisms, and in that there are continuously introduced into said waters with said pollution organic substances and compounds in solution or suspension which provide sustenance for and foster the growth and survival of disease-producing organisms in said waters and which impair the taste and odor thereof for drinking and other purposes. Said agencies provide for the treatment of water taken from said river for their public water supplies in order to render

the same safe against the transmission of disease and to minimize or eliminate the taste and odor effects aforesaid. By reason of said pollution the degree and cost of such treatment is substantially increased and the danger of transmission of disease in case of failure, breakdown, or negligent or faulty operation of treatment facilities is substantially increased as compared with what would be the case if said pollution were abated.

9. Said waters of the Missouri River hereinbefore described are used for navigation, boating, fishing, swimming, water skiing, and waterfowl hunting. Said waters of the Kansas River hereinbefore described are used for navigation, boating, fishing, and water skiing. In connection with such uses it is possible for persons engaged therein to contract water-borne diseases from the disease-producing organisms introduced with said pollution, and the use of said water for such purposes is consequently unsafe. All such uses and other beneficial public and private uses of said waters would be promoted and increased if the aforesaid pollution thereof were eliminated or reduced.

10. With the sewage, industrial, and other wastes aforesaid, there are discharged into the waters hereinbefore described human and animal excreta, grease, oil, feathers, and other floating, suspended or dissolved articles or substances of human, animal, or other origin. Some of said articles or substances are offensive and unsightly. Some of said substances cause offensive odors in and about said waters. Some of said substances accumulate on the shores of said waters, and on boats, structures, water intakes, working equipment, fishing gear, and other equipment placed or used in or on said waters, befouling the same and causing trouble in using the same and keeping the same clean. By reason of the facts aforesaid, the articles and substances discharged into said waters as aforesaid frequently cause nuisances therein. By reason of the pollution of said waters as aforesaid, fish of edible species inhabiting the same are sometimes rendered unpalatable. By reason of the pollution of said

waters as aforesaid the development and improvement of various types of property and the operation of various business enterprises adjacent to and related to the use of said waters are hampered and retarded.

11. The effects of the pollution of said Missouri River hereinbefore described extend from the points where the discharges of sewage and industrial and other wastes aforesaid enter said river to the junction of said river with the Mississippi River and beyond.

12. If the sewage and industrial and other wastes discharged into said waters as aforesaid were properly, adequately, and effectively controlled and treated, the aforesaid pollution of said waters would be substantially abated and said waters would be substantially restored and improved for the uses and purposes hereinbefore described.

13. Certain of the municipalities and industries hereinbefore named as discharging sewage and industrial and other wastes into the waters hereinbefore described have in good faith manifested an intention to take steps toward abatement of the aforesaid pollution. Nevertheless effective progress toward abatement of said pollution is not being made by any of said municipalities or industries named as discharging sewage and industrial and other wastes into said waters.

14. Effective, feasible, and reasonable methods for the control and treatment of said sewage and industrial and other wastes are available to each and all of said municipalities and industries hereinbefore named as discharging the same into the waters hereinbefore described. The installation and use of facilities for such control and treatment by said municipalities and industries and each of them are reasonable and equitable measures to abate the pollution of said waters as hereinbefore described. A reasonable time therefor is as stated in the recommendations hereinafter set forth.

CONCLUSIONS

The City of Kansas City, Missouri, the City of Kansas City, Kansas, the City of North Kansas City, Missouri, the Fairfax Drainage District of Kansas, the Kaw Valley Drainage District of Kansas, and the firms or industries hereinbefore named as discharging sewage and industrial and other wastes into the waters hereinbefore described should be required to cease and desist from discharging such sewage and industrial and other wastes into said waters, either directly or indirectly, without proper, adequate, and effective control and treatment, and should be required to provide such control and treatment of such sewage and industrial and other wastes before discharging the same into said waters, so as to abate the pollution hereinbefore described, in accordance with the following recommendations.

RECOMMENDATIONS

It is recommended as follows:

1. That the City of Kansas City, Missouri, the City of Kansas City, Kansas, the City of North Kansas City, Missouri, the Fairfax Drainage District of Kansas, the Kaw Valley Drainage District of Kansas, and the firms or industries hereinbefore named as now discharging sewage and industrial and other wastes into the waters hereinbefore described construct and place in operation such proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities as will be necessary to abate the pollution of the interstate waters hereinbefore described in accordance with the schedule hereinafter set forth.

2. On or before November 15, 1960, each such firm or industry desiring to be served by the public sewerage system of the appropriate municipality shall advise such municipality of the volume and character of sewage and industrial and other wastes it proposes to discharge to the public system. Should any such firm or industry not desire to be served by such public system, it shall advise such municipality of its desire to be so served on or before the same date.

3. On or before May 1, 1961, each municipality hereinbefore named shall complete the arrangements for the financing of the remedial facilities hereinbefore described.

4. On or before May 1, 1961, each municipality hereinbefore named shall, in writing, instruct its engineer to proceed with final plans and specifications for proper, adequate, and effective treatment facilities for the sewage and industrial and other wastes to be disposed of through its public system. If such action is not taken by any such municipality, or if such instruction does

not provide for service to any industry referred to in Paragraph 1 hereof, each such industry shall initiate detailed planning for its own remedial facilities not later than May 31, 1961.

5. On or before July 1, 1962, final plans and specifications for all such remedial facilities shall be completed and submitted to the state water pollution control agency having jurisdiction for review and approval.

6. On or before January 1, 1963, all such remedial facilities shall be placed under contract for construction, to be completed and placed in operation within a reasonable time.

7. Within 15 days after each date established in this schedule, each municipality and each firm or industry concerned shall advise the Regional Engineer, Region VI, U. S. Public Health Service, as to progress toward compliance with each step of this schedule applicable to it.

Respectfully submitted

In the name of the

HEARING BOARD IN THE MATTER OF
POLLUTION OF THE INTERSTATE WATERS
OF THE MISSOURI RIVER AND CONNECTING
OR TRIBUTARY WATERS IN OR ADJACENT TO
THE KANSAS CITIES METROPOLITAN AREA

By

/s/ Chester S. Wilson
Chester S. Wilson, Chairman

ATTEST:

/s/ Robert C. Ayers
Robert C. Ayers, Executive Secretary
Date: June 17, 1960

Summary of Conference

POLLUTION OF INTERSTATE WATERS
of the
MISSISSIPPI RIVER--ST. LOUIS METROPOLITAN AREA--(ILLINOIS-MISSOURI)

The Mississippi River at the St. Louis Metropolitan Area and below forms a boundary between Illinois and Missouri. The principal cities, political subdivisions and institutions in this stretch of the river are numerous incorporated communities and sewer districts in St. Louis County Missouri, the City of St. Louis, Missouri (the incorporated communities and sewer districts in St. Louis County, Missouri, and the City of St. Louis, Missouri are within the Metropolitan St. Louis Sewer District); and Alton, East Alton, Wood River, Hartford, Granite City, Madison, Venice, East Side Levee and Sanitary District, Brooklyn, Cahokia, East St. Louis, Fairmont City, National City and Washington Park, Monsanto, Dupo, Columbia, Illinois State Prison, Menard Branch, and Chester, Illinois.

On the basis of reports, surveys and studies, the Surgeon General, having reason to believe that pollution of the Mississippi River caused by discharges of untreated sewage and industrial wastes by the above-named communities and institutions and associated industries is endangering the health and welfare of persons in States other than that in which the discharge originates, called a conference on the matter of pollution of the Mississippi River--St. Louis Metropolitan Area (Illinois-Missouri) under the provisions of the Federal Water Pollution Control Act (P.L. 660, 84th Congress). The conference was held on March 4, 1958 in the Soldiers' Memorial Building, St. Louis, Missouri.

The following conferees representing the State water pollution control agencies of Illinois and Missouri, the Bi-State Development Agency and the Public Health Service attended the conference:

Albert W. Happy	Missouri Division of Health
Milton M. Kinsey	Bi-State Development Agency St. Louis, Missouri
C. W. Klassen	Illinois Sanitary Water Board
H. W. Poston	U. S. Public Health Service Chicago, Illinois
Murray Stein, Chairman	U. S. Public Health Service Washington, D. C.

Also participating in the conference were the following:

P. J. Barnickol	Missouri Conservation Commission Jefferson City, Missouri
O. H. Brown	Chemist, East St. Louis and Interurban Water Company
Thomas Butler	Alton District Manufacturers Association, Alton, Illinois
John H. Caruthers	Olin Mathieson Chemical Corp. East Alton, Illinois
F. L. Collins	International Shoe Company St. Louis, Missouri
M. B. Corlew	Engineer, Village of Hartford, Illinois
P. W. Day	Mayor, Alton, Illinois
Wm. J. Fedorchak	Owens-Illinois Alton, Illinois
Carl Gross	Engineer of Special Projects Illinois Sanitary Water Board
Joseph W. Goldenberg	Village Engineer Village of Monsanto, Illinois
Wm. J. Harth	Illinois Dept. of Conservation Springfield, Illinois
D. A. Hermanson	Socony Mobil Oil Company
Paul Hodges	Monsanto Chemical Company
G. W. Hoelscher	East Side Manufacturers Assn. Granite City, Illinois

Wm. Q. Kehr	Metropolitan St. Louis Sewer Dist. St. Louis, Missouri
S. H. Kernan	East Side Levee & Sanitary Dist.
F. W. Kittrell	U. S. Public Health Service Cincinnati, Ohio
L. C. Kopisch	Sinclair Refining Company Hartford, Illinois
Leo Kraft	Swift & Company National Stock Yards, Illinois
Frank Kriz	President, Board of Public Service St. Louis, Missouri
Dr. John E. Lee	Mayor, Venice, Illinois
Fred B. Lifton	Outboard Boating Club of America Chicago, Illinois
Vance C. Lischer	Horner & Shifrin St. Louis, Missouri
Oscar Marquardt	Chief Engineer Menard Prison, Menard, Illinois
Robert B. Maucker	Alton Box Board Company Alton, Illinois
Albert C. Mettler	Mayor, Columbia, Illinois
K. E. Nail	Mayor, Roxana, Illinois
F. R. Persson	Hunter Packing Company East St. Louis, Illinois
Ross R. Randolph	Warden, Menard Prison Menard, Illinois
J. H. Reck	International Shoe Company St. Louis, Missouri
J. K. Roedel	Standard Oil Company Wood River, Illinois
G. E. Sample	Shell Oil Company Wood River, Illinois
Col. Chas. B. Schweizer	U. S. Army Corps Engr. District St. Louis, Missouri

C. H. Sheppard	Consulting Engineer Alton, Illinois
Jack K. Smith	Missouri Division of Health Jefferson City, Missouri
Norman Smothers	President, Village of Dupo, Ill.
Wilbur F. Stevens	City Engineer Wood River, Illinois
A. C. Stoever	Granite City Steel Company Granite City, Illinois
J. E. Williams, Jr.	Chairman of the Board of Trustees of the Metropolitan Sewer District (St. Louis)
Clayton Wingerter	Water Superintendent Chester, Illinois

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act (P.L. 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originates is subject to abatement under the procedure described in section 8 of the Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take any remedial action which may be indicated under State and local law.

In the light of the conference discussions, the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Mississippi River - St. Louis Metropolitan Area. Sewage and industrial wastes from St. Louis County and St. Louis City, Missouri, and Alton, East Alton,

Wood River, Hartford, Granite City, Madison, Venice, East Side Levee and Sanitary District, Brooklyn, Cahokia, East St. Louis, Fairmont City, National City and Washington Park, Monsanta, Dupo, Columbia, Illinois State Prison, Menard Branch, and Chester, Illinois, are finding their way into the waters of the Mississippi River, an interstate stream as defined by the Federal Act. Such discharges cause pollution of the Mississippi River so as to endanger the health and welfare of persons in Illinois and Missouri, States other than that in which the discharges originate.

2. That the effects of this pollution are: (1) deterioration of water quality for public water supply affecting the following water treatment plants - East St. Louis and Interurban Water Company (Illinois), City of St. Louis, Chain of Rocks Supply (Missouri), Illinois State Prison, Menard Division, Supply (Illinois), Cape Giradeau Water Supply (Missouri), Thebes Water Supply (Illinois); (2) increased concentrations of coliform and other organisms associated with human diseases which constitute a health hazard to commercial and recreational users of the river; (3) deterioration of water quality to the extent that severe sight and odor nuisances have been created (due to floating solids and sludge deposits), resulting in serious impairment of the river as a residential, sight-seeing, and recreational area; (4) impairment of water quality so as to render the river unsuitable as a habitat for game fish and destroying its use as a commercial fishery; and (5) deterioration of water quality so as to create conditions inimical to wildlife in the area;

3. That the measures presently used for disposal of sewage and industrial wastes are inadequate to secure abatement of pollution of the interstate waters of the Mississippi River.

4. That the delays encountered in the abatement of such pollution are due to the lack of installation of adequate waste treatment facilities or other methods for reduction of pollution by most of the municipalities and industries concerned.

5. That all municipalities, political subdivisions, industries and institutions on the Illinois side of the Mississippi River arrange for financing adequate remedial treatment works not later than January 1, 1959--in the case of municipalities and political subdivisions, this will include submitting financial plans to the voters and submitting construction plans, detailed plans and specifications to the Illinois State Sanitary Water Board; that construction of these remedial works be begun not later than July 1, 1959, and that these remedial works be put into operation not later than December 31, 1961.

6. That the agency charged with the responsibility for providing adequate waste treatment facilities on the Missouri side of the St. Louis Metropolitan Area is the St. Louis Metropolitan Sewer District.

7. That this District will complete and put into operation by January 1, 1959 an adequate waste treatment plan for the Meramec River Watershed which will involve changes and improvements to the existing plant.

8. That this District will install adequate remedial facilities for wastes discharged into the Coldwater Creek Watershed; submit a bond issue for this to the voters prior to January 1, 1959; begin construction of the facilities not later than July 1, 1959; and have the facilities completed and put into operation not later than January 1, 1961; trunk sewers in connection with these facilities will be completed not later than September 1, 1961.

9. That this District will install adequate remedial facilities for wastes discharged into the Mississippi River Watershed, institute studies looking toward a comprehensive plan for adequate waste treatment and disposal of waste to the Mississippi River Watershed not later than July 30, 1958; these studies will be completed not later than January 1, 1961; construction of the first units of these remedial facilities will begin not later than January 1, 1963 and the complete facilities will be placed into operation not later than January 1, 1967.

10. That the practice of the City of St. Louis collecting and grinding garbage and discharging it untreated to the Mississippi River is considered very unsatisfactory, and that the City of St. Louis will make an engineering study of this problem and submit a plan of improvement to the Missouri Division of Health not later than July 1, 1958.

11. That the St. Louis Metropolitan Sewer District will continue its program of working with industries in the area to reduce to a practical minimum the industrial waste discharged to the Mississippi River and that the work will be substantially completed by January 1, 1961 with the recognition that additional time may be necessary for those industries where preliminary treatment may be required before discharges are permitted to the St. Louis Metropolitan Sewer District sewers.

12. The Illinois State Sanitary Water Board and the Missouri Division of Health will report to the other conferees periodically as to progress; such reports to be made at not less than six-month intervals.

SUMMARY OF CONFERENCE

POLLUTION OF INTERSTATE WATERS OF THE MISSOURI RIVER

(FROM SOURCES BETWEEN GAVINS POINT DAM, SOUTH DAKOTA AND OMAHA, NEBRASKA)

July 24, 1958

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ERRATUM

The Summary of Conference issued on September 5, 1958 is hereby corrected as follows:

The date "July 1, 1961" is deleted from line 3, page 6, and the date "January 1, 1961" is inserted in lieu thereof.

- * -

October 10, 1958

SUMMARY OF CONFERENCE

POLLUTION OF INTERSTATE WATERS OF THE MISSOURI RIVER

(From Sources Between Gavins Point Dam, South Dakota and Omaha, Nebraska)

The Missouri River from Gavins Point Dam and below forms an interstate boundary between the States of Iowa, Kansas, Missouri, Nebraska, and South Dakota. The principal municipalities in the stretch of the river are: Yankton, Vermillion, and Elk Point, South Dakota; Sioux City, Iowa; Blair, South Sioux City, Dakota City, Ponca, and Decatur, Nebraska.

In accordance with a written request dated April 18, 1958 from Dr. Edmund G. Zimmerer, Commissioner of Public Health, Iowa State Department of Health, the Surgeon General of the Public Health Service called a conference in the matter of pollution of the interstate waters of the Missouri River (covering discharges between Gavins Point Dam, South Dakota, and Omaha, Nebraska) under the provisions of Section 8 of the Federal Water Pollution Control Act (P.L. 660, 84th Congress). The Federal Act requires the Surgeon General to call a conference when requested by a State water pollution control agency, such as the Iowa State Department of Health. The conference was held on July 24, 1958 in the Federal Court Room, Post Office Building, Sioux City, Iowa.

The following conferees representing the State water pollution control agencies of Iowa, Kansas, Missouri, Nebraska, and South Dakota, and the Public Health Service attended the conference:

Charles E. Carl	South Dakota State Department of Health
T. A. Filipi	Nebraska Department of Health

Glen J. Hopkins	U. S. Public Health Service Kansas City, Missouri
Paul J. Houser	Iowa State Department of Health
Dwight F. Metzler	Kansas State Board of Health
Jack K. Smith	Missouri Water Pollution Board
Murray Stein, Chairman	U. S. Public Health Service Washington, D. C.

Also participating in the conference were the following:

John T. Barstow	Chairman, Health & Sanitation Vermillion, South Dakota
Lester M. Berner	South Dakota Water Pollution Committee, Pierre, South Dakot
Paul Bolton	Henningson, Durham, & Richards Omaha, Nebraska
George Davis	Legal Counsel for Sioux City, Sioux City, Iowa
V. O. Eades	Armour & Company Sioux City, Iowa
George J. Fisher	Director, Public Works Omaha, Nebraska
Glen R. Foster	Nebraska Game, Forestation & Parks, Lincoln, Nebraska
Lt. Col. Goodsell	Corps of Engineers Omaha, Nebraska
Harry M. Harrison	Iowa Conservation Commission Des Moines, Iowa
James L. Jensen	City Manager Yankton, South Dakota
F. W. Kittrell	U. S. Public Health Service Cincinnati, Ohio
T. C. Reeves	Nebraska Water Pollution Counci Central City, Nebraska

Henry C. Shull	Swift and Company Sioux City, Iowa
Byron L. Sifford	Smith Packing Co. & Albertson Sioux City, Iowa
Ernest Turek	Representing A. H. Baron Sioux City, Iowa
Dr. Edmund G. Zimmerer	Iowa Department of Health Des Moines, Iowa

The Chairman of the conference pointed out that:

1. Under the Federal Water Pollution Control Act (Public Law 660, 84th Congress) pollution of interstate waters which endangers the health or welfare of persons in a State other than the one in which the discharge originates is subject to abatement under procedures described in section 8 of the Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give States and localities an opportunity to take remedial action which may be indicated under State and local law.

In the light of conference discussions the conferees unanimously made the following conclusions and recommendations:

1. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in the Missouri River caused by discharges from municipalities and industries between Gavins Point Dam, South Dakota and Omaha, Nebraska. Sewage and industrial wastes from Yankton, Vermillion, and Elk Point, South Dakota; Sioux City, Iowa; Blair, South Sioux City, Dakota City, and Ponca, Nebraska, and associated industries are finding their way into the waters of the Missouri River, an interstate

water as defined by the Federal Act. Such discharges cause pollution of the Missouri River so as to endanger the health and welfare of persons in States other than that in which the discharges originate.

2. That the major source of such pollution is Sioux City, Iowa, and associated industries.*

3. That the effects of such pollution are (1) deterioration of water quality for public water supply of Omaha, Nebraska, with associated enhancement of possible disease transmission; (2) increased concentrations of coliform and other organisms associated with human diseases which constitute a health hazard to commercial and recreational users of the river; (3) deterioration of water quality so as to interfere with navigation and to create a health hazard to persons engaged in navigation, river dredging and other river improvement activities; (4) creation of sight and odor nuisances; and (5) deterioration of water quality so as to create conditions inimical to fish and aquatic life.

4. That the measures presently used for the disposal of sewage and industrial wastes from Sioux City, Yankton, and Vermillion, South Dakota; Sioux City, Iowa; South Sioux City, Dakota City, and Ponca, Nebraska, and associated industries are not adequate to secure abatement of the pollution of the interstate waters of the Missouri River;

5. That the delays encountered in the abatement of such pollution are due to the lack of installation of adequate waste treatment facilities or other methods of control of pollution by the municipalities and industries concerned;

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* Mr. George Davis, Legal Counsel for Sioux City, Iowa, stated that the City officials did not believe that Sioux City, Iowa, was contributing to pollution which endangered the health or welfare of persons in another State and, therefore, was not contributing to pollution subject to abatement under the Federal Water Pollution Control Act; and the construction of remedial waste treatment facilities by Sioux City, Iowa, was not economically feasible.

6. That the aforementioned cities and industries which have not already done so, provide adequate treatment for wastes prior to their discharge;

7. That cognizance is taken of the fact that:

   (a) Elk Point, South Dakota, has a sewage treatment plant under construction;

   (b) Yankton and Vermillion, South Dakota, plan to award construction contracts during the year 1959 for adequate sewage treatment facilities;

   (c) Blair, Nebraska, has a sewage treatment plant under construction; and

   (d) Decatur, Nebraska, is providing adequate treatment for its wastes;

8. That by January 1, 1959 each industry in Sioux City, Iowa area notify that City as to the waste loading to be contributed by industry to the City municipal system and to serve as a basis of design for the municipal sewage treatment facility. If not, each such industry will be responsible for its own treatment and progress commensurate with the time schedule for remedial action set forth below for Sioux City;

9. That by February 1, 1959, Sioux City, Iowa arrange for completion of final plans and specifications for sewage treatment facilities; that such final plans be completed by July 1, 1959;

10. That by April 1, 1959 Sioux City arrange for financing the construction of its sewage treatment facilities;

11. That by September 1, 1959, Sioux City, Iowa award a construction contract for Stage I construction, including the plant, and Sections B, D, F, G, and H, as these appear on page 28 of the "Preliminary Report, Sewage Treatment Facilities for Sioux City, Iowa, 1957" prepared by engineering

consultants Buell and Winter, Sioux City, Iowa, and Hover R. Green Company, Cedar Rapids, Iowa, and that Sioux City, Iowa award construction contracts for the remaining work by July 1, 1961;

12. That all discharges of paunch manure, bedding, and related wastes, into the Missouri River or tributaries thereof by industries in Sioux City, Iowa, be stopped by September 1, 1958;

13. That South Sioux City, and Dakota City, Nebraska, take remedial action to control pollution caused by discharges from their cities and associated industries, commensurate with the time schedule provided for Sioux City, Iowa;

14. That the Nebraska Department of Health take up with Ponca, Nebraska, the matter of providing adequate sewage treatment and establish a time schedule commensurate with that established above for Sioux City, Iowa;

15. That each State water pollution control agency report to the Public Health Service at six-month intervals, starting January 1, 1959, of progress being made by its cities and industries in abating pollution.

In the Matter of the
POLLUTION OF THE INTERSTATE WATERS
of the
MISSOURI RIVER BETWEEN GAVINS POINT
DAM, SOUTH DAKOTA, AND OMAHA, NEBRASKA

FINDINGS, CONCLUSIONS, AND RECOMMENDATIONS OF THE HEARING BOARD

The matter of the pollution of the interstate waters of the Missouri River between Gavins Point Dam, South Dakota, and Omaha, Nebraska, came duly on for hearing at Sioux City, Iowa, on the 23rd day of March 1959, at 9 o'clock a.m. before the Board hereinafter named, appointed therefor by the Secretary of Health, Education, and Welfare, pursuant to the call of the Secretary dated February 20, 1959, under the provisions of the Federal Water Pollution Control Act and the regulations prescribed thereunder, and upon due notice of said hearing given, issued, and served as provided therein. Said hearing was continued on March 24th, 25th, 26th, and 27th, 1959, and was then concluded and adjourned. Said Board consisted of the following named persons:

Chester S. Wilson, Chairman

H. Garland Hershey (representing the State of Iowa)

Harvey A. Jones (representing the State of Missouri)

Walter Kurylo (representing the United States Department of Commerce)

Dwight F. Metzler (representing the State of Kansas)

Blucher A. Poole

John S. Samson (representing the State of Nebraska)

G. J. Van Heuvelen, M.D. (representing the State of South Dakota)

Robert C. Ayers, Executive Secretary

The following appearances were entered:

The Surgeon General of the Public Health Service, United States Department of Health, Education, and Welfare by Murray Stein, Chief, Interstate Enforcement, Water Supply and Water Pollution Control Program, Department of Health, Education, and Welfare; Sidney Edelman, Public Health Division, Office of the General Counsel, Department of Health, Education, and Welfare; and John G. Detmer, Deputy Regional Attorney, Department of Health, Education, and Welfare, Kansas City, Missouri.

Iowa State Department of Health by Paul J. Hauser, Executive Director of Sanitary Engineering.

Missouri Department of Health by Jack K. Smith, Executive Director of the Water Pollution Board.

Nebraska Department of Health by T. A. Filipi, Director of Environmental Health, Division of Sanitary Engineering.

South Dakota Committee on Water Pollution by Don C. Kalda, Division of Sanitary Engineering, Department of Health.

City of Sioux City, Iowa by George F. Davis, Special Counsel; D. M. Pendleton, City Attorney; and John O'Brien, Assistant City Attorney.

Tri-State Produce Co., by Abe Baron, its attorney.

Sanitary Rendering Co., by J. N. Gunnell, its attorney.

Meyer Packing Co., by Jesse E. Marshall, its attorney.

Allied Laboratories, Inc., by C. F. Stilwell, its attorney.

Armour & Co., by Henry C. Shull, its attorney.

Sioux City Dressed Beef, Inc., by Jesse E. Marshall, its attorney.

Sioux City Stock Yards Co., by Jesse E. Marshall, its attorney.

Raskin Packing Co., by Jesse E. Marshall, its attorney.

Smith Packing Co., by S. F. Wadden, its attorney.

Swift & Co., by Henry C. Shull, its attorney.

Sioux City Dressed Pork, Inc., by Jesse E. Marshall, its attorney.

Now, based on the evidence presented at said hearing the Board makes the following findings, conclusions, and recommendations:

FINDINGS OF FACT

1. All the actions of the Surgeon General of the Public Health Service and the Secretary of Health, Education, and Welfare with respect to the matters involved in this proceeding, as prescribed by the Federal Water Pollution Control Act, were performed and completed prior to the holding of the hearing.

2. The Missouri River between Gavins Point Dam, South Dakota, and Omaha, Nebraska, flows in a generally southerly direction, constituting the interstate boundary between the States of South Dakota and Nebraska and between the States of Iowa and Nebraska. The waters of said section of the Missouri River are interstate waters as defined by the Federal Water Pollution Control Act.

3. The City of Sioux City, Iowa, has been and now is discharging sewage and industrial and other wastes into said waters of the Missouri River.

4. The following named firms, in the operation of their respective businesses, have been and now are discharging sewage and industrial and other wastes into said waters of the Missouri River at Sioux City, Iowa:

Tri-State Produce Co., 505 South Howard Street,
Sioux City, Iowa

Sanitary Rendering Co., Stock Yards Station,
1515 Bluff Road, Sioux City, Iowa

Meyer Packing Co., Chicago and Lafayette Streets,
Sioux City, Iowa

Armour & Co., 902 South Chambers Street,
Sioux City, Iowa

Sioux City Dressed Beef, Inc., 1911 Warrington Road,
Sioux City, Iowa

Sioux City Stock Yards Co., 340 Livestock Exchange
Building, Sioux City, Iowa

Raskin Packing Co., 1918 Jay Street, Sioux City, Iowa

Smith Packing Co., Chicago and Prospect Streets,
Sioux City, Iowa

Swift & Co., 2001 Leech Avenue, Sioux City, Iowa

Sioux City Dressed Pork, Inc., P. O. Box 25,
Stock Yards Station, Sioux City, Iowa

5. Prior to said hearing Allied Laboratories, Inc., named in the aforesaid notice as an industrial establishment discharging sewage and industrial wastes into said waters, had ceased such discharge and is not now discharging any such sewage or wastes into said waters.

6. The sewage and industrial and other wastes so discharged have caused and continue to cause substantial pollution of the waters of said river hereinbefore described, with effects as hereinafter described, and the aforesaid sources of said pollution at Sioux City, Iowa, are the major sources of pollution of said waters.

7. The City of Omaha, Nebraska, having a population of approximately 300,000 uses for its public water supply the waters of said section of the Missouri River and is dependent thereon. The pollution of said waters from the sources aforesaid causes deterioration of the quality of said waters for the purposes of said public water supply, in that with said pollution there is continuous danger of introduction into said waters of disease-producing organisms, and in that there are continuously introduced into said waters with said pollution organic compounds in solution which provide sustenance for and foster the growth and survival of disease-producing organisms in said waters and which impair the taste and odor thereof for drinking and other purposes. Said City of Omaha provides for the treatment of water taken from said river for its public water supply system in order to render the same safe against the transmission of disease and to minimize or eliminate the taste and odor effects aforesaid.

By reason of said pollution the degree and cost of such treatment is substantially increased and the danger of transmission of disease in case of failure, breakdown, or negligent operation of treatment facilities is substantially increased as compared with what would be the case if said pollution were abated.

8. Said waters are extensively used for navigation, boating, commercial fishing, sport fishing, swimming, and other purposes, and such uses are increasing. In connection with such uses it is possible for persons engaged therein to contract water-borne diseases from the disease-producing organisms introduced with said pollution, and the use of said waters for said purposes is consequently unsafe.

9. With the sewage, industrial, and other wastes aforesaid, there are discharged into the said waters human and animal excreta, grease, oil, hair, and other floating or suspended articles or substances of human, animal, or other origin. Some of said articles or substances are offensive and unsightly. Some of said substances accumulate on the shores of said waters, and on boats, structures, water intakes, working equipment, fishing gear, and other equipment placed or used in or on said waters befouling the same and causing trouble in using the same and keeping the same clean. Oil and grease so discharged accumulate on brush or vegetation along the shores of said waters, thereby causing fire hazards therein. By reason of facts aforesaid, the articles and substances discharged into said waters as aforesaid frequently cause nuisances therein.

10. By reasons of the pollution of said waters as aforesaid, fish of edible species inhabiting the same are sometimes rendered unpalatable.

11. A project is in progress under the direction of the United States Fish and Wildlife Service in the Department of the Interior for the establishment of a national wildlife refuge, comprising an area of approximately 8, 100 acres of land and water, at the DeSota Bend in said river, approximately 65 miles below Sioux City, Iowa. Said project involves the cutting off of a portion of said river at said bend and installing structures for the control and management of the enclosed water area for habitat for waterfowl and other aquatic wildlife.

In addition to such use said area will be capable of development and extensive use for hunting, boating, water skiing, swimming, picnicking, and other public recreational purposes, but such development and use will not be feasible unless the pollution of said waters is abated so as to make the same safe for such uses.

12. The aforesaid pollution of said interstate waters caused by matters discharged into the same in the State of Iowa as aforesaid endangers the health and welfare of persons in the State of Nebraska.

13. If the sewage and industrial and other wastes discharged into said waters as aforesaid were properly, adequately and effectively controlled and treated, the aforesaid pollution of said waters would be substantially abated and said waters would be substantially restored and improved for the uses and purposes hereinbefore described.

14. Effective progress toward abatement of the aforesaid pollution is not being made by said City of Sioux City, Iowa, or by any of the firms hereinbefore named as discharging sewage and industrial and other wastes into said waters.

15. Effective, feasible, and reasonable methods for the control and treatment of said sewage and industrial and other wastes are available to said City and said firms. The installation and use of facilities for such control and treatment by said City and said firms are reasonable and equitable measures to abate the pollution of said waters as hereinbefore described. A reasonable time therefor is as stated in the recommendations hereinafter set forth.

CONCLUSIONS

The City of Sioux City, Iowa, and the firms hereinbefore named as discharging sewage and industrial and other wastes into the waters hereinbefore described should be required to cease and desist from discharging such sewage and industrial and other wastes into said waters, either directly or indirectly, without proper, adequate, and effective treatment, and should be required to provide such treatment of such sewage and industrial and other wastes before discharging the same into said waters, so as to abate the pollution hereinbefore described, in accordance with the following recommendations.

RECOMMENDATIONS

It is recommended as follows:

1. That Sioux City and the firms hereinbefore named as now discharging sewage and industrial and other wastes into the Missouri River, construct and place in operation proper, adequate, and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities which will abate pollution of the waters of said river in accordance with the schedule hereinafter set forth.

2. That on or before July 1, 1959, each firm engaged in industry desiring to be served through the municipal system advise the City of the volume and character of sewage and industrial and other wastes it proposes to discharge to the municipal system.

3. That on or before September 1, 1959, Sioux City, Iowa, instruct in writing its consulting engineers to proceed with final plans and specifications for proper, adequate, and effective sewage and waste treatment facilities for the sewage and industrial and other wastes to be disposed of through the municipal system. If such action is not taken by the City, or if such instruction does not provide for service to industries located in the City, such industries shall initiate detailed planning for their own remedial facilities not later than Ocotber 1, 1959.

4. On or before May 1, 1960, final plans and specifications for all such remedial facilities shall be completed and submitted to the Iowa Department of Health for review and approval.

5. On or before August 1, 1960, such remedial works shall be placed under contract for construction.

6. On or before January 1, 1963, construction of all such remedial facilities shall be completed and such facilities be in operation.

7. Within 15 days after each date established in this schedule, Sioux City, Iowa, and each firm engaged in any industry involved in this hearing advise the U. S. Public Health Service and the Iowa Department of Health as to their progress toward compliance with each step of the schedule applicable to them.

Respectfully submitted

In the name of the

HEARING BOARD IN THE MATTER OF
POLLUTION OF THE INTERSTATE
WATERS OF THE MISSOURI RIVER,
SIOUX CITY, IOWA AREA

By

Chester S. Wilson

Chester S. Wilson, Chairman

ATTEST:

Robert C. Ayers, Executive Secretary

Dated: March 27, 1959

THE SECRETARY OF HEALTH, EDUCATION, AND WELFARE
WASHINGTON

In the Matter of the
POLLUTION OF THE INTERSTATE WATERS of the MISSOURI RIVER BETWEEN GAVINS POINT DAM, SOUTH DAKOTA, AND OMAHA, NEBRASKA

NOTICE

There is attached hereto, and made a part hereof, the Findings, Conclusions, and Recommendations, dated March 27, 1959, of the Hearing Board, convened pursuant to the provisions of section 8 (e) of the Federal Water Pollution Control Act (33 U.S.C. 466g(e)), which held a public hearing in the matter of pollution of the interstate waters of the Missouri River between Gavins Point Dam, South Dakota, and Omaha, Nebraska.

The Board found that the City of Sioux City, Iowa, and the firms named below are discharging sewage, industrial, and other wastes causing pollution of such interstate waters of the Missouri River so as to endanger the health and welfare of persons in the State of Nebraska.

In accordance with section 8 of the Federal Water Pollution Control Act, the City of Sioux City, Iowa, and the following named firms:

Tri-State Produce Co., 505 South Howard Street,
Sioux City, Iowa

Sanitary Rendering Co., Stock Yards Station,
1515 Bluff Road, Sioux City, Iowa

Meyer Packing Co., Chicago and Lafayette Streets,
Sioux City, Iowa

Armour & Co., 902 South Chambers Street,
Sioux City, Iowa

Sioux City Dressed Beef, Inc., 1911 Warrington Road,
Sioux City, Iowa

Sioux City Stock Yards Co., 340 Livestock Exchange
Building, Sioux City, Iowa

Raskin Packing Co., 1918 Jay Street,
Sioux City, Iowa

Smith Packing Co., Chicago and Prospect Streets,
Sioux City, Iowa

Swift & Co., 200 Leech Avenue,
Sioux City, Iowa

Sioux City Dressed Pork, Inc., P. O. Box 25,
Stock Yards Station, Sioux City, Iowa

are hereby notified and directed to cease and desist from discharging, without proper, adequate and effective treatment, such sewage, industrial, and other wastes into said waters and to secure abatement of such pollution, by the completion and placing into operation of proper, adequate and effective municipal and industrial sewage and waste collection, treatment, and disposal facilities, by March 1, 1963.

I hereby find that compliance with the schedule contained in the Recommendations of such Hearing Board is necessary to constitute action reasonably calculated to secure abatement of such pollution by March 1, 1963.

Dated: April 7, 1959

DEPARTMENT OF HEALTH, EDUCATION, AND WELFARE
U.S.A.

Secretary

SUMMARY OF CONFERENCE

(FIRST SESSION)

POLLUTION OF INTERSTATE WATERS
# of the
NORTH PLATTE RIVER

(WYOMING - NEBRASKA)

The North Platte River rises in Jackson County in Colorado from whence it flows northerly into the State of Wyoming. It then follows the pattern of a large loop, flowing through southeastern Wyoming, northerly, easterly, and southeasterly, and crosses the Wyoming State line near Torrington, Wyoming, into Scotts Bluff County, Nebraska. It courses through the southerly part of the State of Nebraska until it is joined by the South Platte River in Lincoln County, Nebraska. As the Platte River, it continues easterly across Nebraska to its confluence with the Missouri River below Omaha, Nebraska. The North Platte River Basin embraces an area of approximately 32,000 square miles, extending from north central Colorado to southeastern Wyoming and western Nebraska, and the river's waters are used for a number of beneficial purposes including irrigation, industrial application, municipal water supply, fishing, boating and other recreational uses.

In accordance with the written request dated July 21, 1961, of Dr. E. A. Rogers, Director of Health, Nebraska Department of Public Health, acting on behalf of the Nebraska State Water Pollution Control Council, the Surgeon General called a conference in the matter of the pollution of the interstate waters of the North Platte River and its tributaries in Nebraska and Wyoming, under the provisions of section 8 of the Federal Water Pollution Control Act (33 U.S.C. 466, et seq.). The Federal Act requires the Surgeon General to call a conference when requested by a State water pollution control agency. The first session of the conference was held on September 12, 1961, at the City Hall, Scottsbluff, Nebraska.

The following conferees representing the State water pollution control agencies of Wyoming and Nebraska, and the Public Health Service, attended the first session of the conference:

E. A. Rogers, M.D.	Nebraska Department of Health
John S. Samson	Nebraska Water Pollution Control Council
James W. Sampson, M.D.	Wyoming Department of Public Health
Arthur E. Williamson	Wyoming Department of Public Health
Herbert C. Clare	U. S. Public Health Service Kansas City, Missouri
Murray Stein, Chairman	U. S. Public Health Service Washington, D. C.

Also participating in the first session of the conference were the following:

C. Phillip Agee	Nebraska Game & Parks Commission Lincoln, Nebraska
L. S. Applegate	City Superintendent Torrington, Wyoming
Martin A. Bauer	U. S. Public Health Service Denver, Colorado
Joseph H. Bennett	Corps of Engineers, Omaha District Omaha, Nebraska
Clifford E. Bosley	Wyoming Game & Fish Department Lander, Wyoming
W. O. Bronen, M.D.	Rotary Club Scottsbluff, Nebraska
H. D. Burk	Nebraska Water Pollution Control Council & Great Western Sugar Company Scottsbluff, Nebraska

Earle S. Burwell	Wyoming Water Pollution Council Casper, Wyoming
Terry J. Carpenter	Town of Terrytown Terrytown, Nebraska
Don Christensen	Star-Herald Scottsbluff, Nebraska
S. A. Christensen	Wyoming Water Pollution Council
Don M. Culbertson	U. S. Geological Survey Lincoln, Nebraska
I. D. Croghan	Plant Superintendent, Holly Sugar Corporation, Torrington, Wyoming
O. Henry Engendorff	Wyoming Department of Agriculture Cheyenne, Wyoming
Harold E. Engstrom	Soil Conservation Service Lincoln, Nebraska
Joseph W. Fitzpatrick	U. S. Public Health Service Denver, Colorado
W. L. George	City of Bayard Bayard, Nebraska
W. A. Gibson	City Council, City of Torrington Torrington, Wyoming
R. L. Gilbert	Star-Herald Morrill, Nebraska
Lee Hall	Radio Station KOLT Scottsbluff, Nebraska
Lloyd T. Jensen	Great Western Sugar Company Denver, Colorado
F. W. Kittrell	U. S. Public Health Service Cincinnati, Ohio
Fred Klietsch	Nebraska Department of Water Resources Bridgeport, Nebraska
Albert S. Konselman	Bureau of Mines, Denver Federal Center Denver, Colorado
Carsten D. Leikvold	City Manager, City of Scottsbluff Scottsbluff, Nebraska

Frank E. Long	Wyoming Water Pollution Council Buffalo, Wyoming
B. W. Moore	City of Bayard Bayard, Nebraska
Frank Murphy	Wyoming State Engineers Office Torrington, Wyoming
George R. Myers	Member, Nebraska Department of Health Gering, Nebraska
Kaarlo W. Nasi	U. S. Public Health Service Denver, Colorado
Joe K. Neel	U. S. Public Health Service Kansas City, Missouri
William E. Nichol	Mayor, City of Scottsbluff Scottsbluff, Nebraska
J. L. Ogilvie	Bureau of Reclamation Denver, Colorado
Liven A. Peterson, Jr.	U. S. Bureau of Sport Fisheries & Wildlife Grand Island, Nebraska
J. R. Pringle	Farmers Irrigation District
Eugene L. Schmidt	U. S. Bureau of Land Management Cheyenne, Wyoming
R. M. Sensintaffar	U. S. Bureau of Reclamation Casper, Wyoming
A. D. Sidio	U. S. Public Health Service Cincinnati, Ohio
Roger Stelk	City of Bayard Bayard, Nebraska
Keith Stewart	City of Morrill Morrill, Nebraska
R. E. Thomas	Nebraska Game & Parks Commission North Platte, Nebraska
T. H. Vanderhoof	West Nebraska Branch Laboratory Nebraska Department of Health Scottsbluff, Nebraska
Neal P. Wallace	Star-Herald Scottsbluff, Nebraska

Oscar Wiberg	Scottsbluff County Health Department Gering, Nebraska
K. F. William	City of Bayard Bayard, Nebraska
Roy Witschy	Nature Club Scottsbluff, Nebraska

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act pollution of interstate waters which endangers the health or welfare of persons in a State other than that in which the discharges originate is subject to abatement under procedures described in section 8 of that Federal Act.
2. The first step of this procedure is the calling of a conference.
3. The purpose of the conference is to bring the States and the Public Health Service together to lay a basis for future action by all parties concerned and to give the States and localities an opportunity to take remedial action which may be indicated under State and local law.

In the light of the conference discussions, the conferees unanimously agreed to the following conclusions and recommendations:

1. That the North Platte River below Torrington, Wyoming, is an interstate stream within the meaning of the Federal Water Pollution Control Act.
2. That pollution of interstate waters subject to abatement under the Federal Water Pollution Control Act is occurring in this stretch of the North Platte River.
3. That the river above Torrington is a relatively clean stream.
4. That discharges of industrial wastes from a plant in Torrington, Wyoming, sewage from Lyman, Morrill, Scottsbluff,* Gering, Minitare, Melbeta, Bayard, and Bridgeport, Nebraska, and industrial wastes

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*Terrytown was inadvertently omitted from the Summary as distributed to the Conferees.

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from plants at Mitchell, Gering, Scottsbluff, Bayard, and vicinity, pollute this stretch of the river so as to interfere with aquatic life, use of the river for recreation, fishing, boating, aesthetic enjoyment, and as a potential source of municipal and industrial water supply.

5. Adequate waste treatment facilities installed in Wyoming to abate pollution of the river as it crosses the State line and the installation of waste treatment facilities to treat adequately the municipal and industrial wastes being discharged into the river from sources in Nebraska are both needed to abate pollution of the North Platte River.

6. Cognizance is taken of progress made by sugar beet plants in Wyoming and Nebraska in treating their industrial wastes. However, the objective sought is improvement of the water quality of the river so as to allow its full use for fishing, as a wildlife habitat, for recreational purposes, and as a potential source of water supply for municipal and industrial uses.

7. The Public Health Service, in cooperation with State agencies, municipalities and industries involved, will conduct an investigation and study of the river during the current 1961-62 sugar beet campaign to obtain bacteriological, biological, chemical, stream flow, and other pertinent data to properly assess the sources of industrial and municipal wastes, the kinds of coliform bacteria present in the river, and their effects on water quality.

8. The data obtained by the investigation and study will be made available to the interested State agencies, municipalities, industries, and other interested parties.

9. After completion of the investigation and study, the conference will be reconvened by the chairman to consider the results obtained and to agree on action to be taken to abate pollution of the North Platte River.

SUMMARY OF CONFERENCE
(SECOND SESSION)

POLLUTION OF THE INTERSTATE WATERS of the NORTH PLATTE RIVER (WYOMING-NEBRASKA)

MARCH 21, 1962

The second session of the Conference in the Matter of Pollution of the Interstate Waters of the North Platte River in Nebraska and Wyoming was held on March 21, 1962 at the State Highway Department Auditorium, Cheyenne, Wyoming, under the provisions of section 8 of the Federal Water Pollution Control Act (33 U.S.C. 466 et seq.). A summary of the first session held September 12, 1961, is attached hereto and made a part thereof.*

The North Platte River rises in Jackson County in Colorado from whence it flows northerly into the State of Wyoming. It then follows the pattern of a large loop, flowing through southeastern Wyoming, northerly, easterly, and southeasterly, and crosses the Wyoming State line near Torrington, Wyoming, into Scotts Bluff County, Nebraska. It courses through the southerly part of the State of Nebraska until it is joined by the South Platte River in Lincoln County, Nebraska. As the Platte River, it continues easterly across Nebraska to its confluence with the Missouri River below Omaha, Nebraska. The North Platte River Basin embraces an area of approximately 32,000 square miles extending from north central Colorado to southeastern Wyoming and western Nebraska, and the river's waters are used for a number of beneficial purposes, including irrigation, industrial application, fishing, boating and other recreational uses. It is a potential source of municipal water supply.

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*Summary of first session follows transcript of first session.

The following conferees representing the State water pollution control agencies of Wyoming and Nebraska, and the Department of Health, Education, and Welfare, attended the second session of the Conference:

E. A. Rogers, M.D.	Nebraska Department of Health
John S. Samson	Nebraska Water Pollution Control Council
S. A. Christensen	Wyoming Stream Pollution Control Advisory Council Evanston, Wyoming
Arthur E. Williamson	Wyoming Department of Public Health
Herbert C. Clare	U.S. Department of Health, Education, & Welfare Kansas City, Missouri
Murray Stein, Chairman	U.S. Department of Health, Education, & Welfare Washington, D.C.

Also participating in the second session of the Conference were the following:

Frank C. Ames	U.S. Geological Survey Denver, Colorado
J. E. Browning	Holly Sugar Corporation Colorado Springs, Colorado
Harold D. Burk	Great Western Sugar Company Scottsbluff, Nebraska
Earle G. Burwell	Wyoming Stream Pollution Control Advisory Council Casper, Wyoming
Harold F. Clark	U.S. Department of Health, Education, & Welfare Cincinnati, Ohio
I. D. Croghan	Holly Sugar Corporation Torrington, Wyoming

Kenneth P. Day	Wyoming Stream Pollution Control Advisory Council Saratoga, Wyoming
O. Henry Engendorff	Wyoming Stream Pollution Control Advisory Council Cheyenne, Wyoming
T. A. Filipi	Nebraska Department of Health Lincoln, Nebraska
Joseph W. Fitzpatrick	U.S. Department of Health, Education, & Welfare Denver, Colorado
C. M. Hanson	Holly Sugar Corporation Colorado Springs, Colorado
Lloyd T. Jensen	Great Western Sugar Company Denver, Colorado
Albert S. Konselman	U.S. Bureau of Mines Denver, Colorado
Frank E. Long	Wyoming Stream Pollution Control Advisory Council Buffalo, Wyoming
Russell G. Ludwig	Holly Sugar Corporation Arcadia, California
Raymond E. McGuire	U.S. Corps of Engineers Omaha, Nebraska
Russell McKown	U.S. National Park Service Omaha, Nebraska
Joe K. Neel	U.S. Department of Health, Education, & Welfare Kansas City, Missouri
J. L. Ogilvie	U.S. Bureau of Reclamation Denver, Colorado
John T. Peryam	Wyoming Stream Pollution Control Advisory Council Encampment, Wyoming

John J. Rooney	Representing Senator J.J. Hickey Cheyenne, Wyoming
A. D. Sidio	U.S. Department of Health, Education, & Welfare Cincinnati, Ohio
Don Tennant	U.S. Fish & Wildlife Service Grand Island, Nebraska

The Chairman of the Conference pointed out that:

1. Under the Federal Water Pollution Control Act pollution of interstate waters which endangers the health or welfare of persons in a State other than that in which the discharges originate is subject to abatement under procedures prescribed by section 8 of that Federal Act.

2. The first step of this procedure is the calling of a conference.

3. The purpose of the conference is to bring the States and the U.S. Department of Health, Education, and Welfare together to review the situation, to lay a basis for future action by all parties concerned, and to give the States and localities an opportunity to take any remedial action which may be indicated under State and local law.

4. This is the second session of the Conference in the Matter of Pollution of the Interstate Waters of the North Platte River involving the States of Wyoming and Nebraska.

5. At the first session of the Conference it was agreed that the Department of Health, Education, and Welfare, in cooperation with the State agencies, municipalities and industries involved, would conduct an investigation and study of the river during the current 1961-62 sugar beet campaign to obtain bacteriological, biological, chemical, stream flow, and other pertinent data, in order to assess properly the sources of industrial and

municipal wastes, the kinds of coliform bacteria present in the river, and their effects on water quality. That investigation and study has been completed.

6. The purpose of this session of the Conference is to consider the results obtained by the study and investigation and to agree on action to be taken to abate pollution in the North Platte River.

In the light of Conference discussions, the following conclusions were reached and recommendations made:

1. The investigation and study substantially supports the recommendations made at the first session of the Conference and confirms its conclusions which are incorporated herein and made a part hereof.

2. Findings in the study indicate that discharges of industrial wastes from a plant in Torrington, Wyoming, sewage from Lyman, Morrill, Scottsbluff, Gering, Minatare, Melbeta, Bayard, and Bridgeport, Nebraska, and industrial wastes from plants at Mitchell, Gering, Scottsbluff, Bayard, Nebraska and vicinity, pollute this stretch of the river so as to interfere with aquatic life, use of the river for recreation, fishing, boating, aesthetic enjoyment, and as a potential source of municipal and industrial water supply.

3. Adequate waste treatment facilities installed in Wyoming to abate pollution of the river as it crosses the State line and the installation of waste treatment facilities to treat adequately the municipal and industrial wastes being discharged into the river from sources in Nebraska, are both needed to abate pollution of the North Platte River.

4. Cognizance was again taken of progress made by sugar beet plants in Wyoming and Nebraska in treating their industrial wastes. However, the

objective sought is improvement of the water quality of the river so as to allow its full use for fishing, as a wildlife habitat, for recreational purposes, and as a potential source of water supply for municipal and industrial uses.

5. Holly Sugar Company at Torrington, Wyoming, will proceed with the necessary pipeline, pumping, and percolation ponds or equivalent to provide for disposal of sewage and industrial wastes in order to keep out of the river pulp screenings, silo drainage, and septic tank discharges, and to devise a method for efficient screening of the final waste effluent. These remedial facilities are to be in operation by the beginning of the 1962-63 sugar beet campaign.

6. The Nebraska Department of Health will provide a voluntary effective program to control pollution of the North Platte River in Nebraska.

7. A program for sampling, analyzing and monitoring the effects of discharges from the industrial sources on the river from Torrington, Wyoming to Broadwater, Nebraska, will be established and in operation by the beginning of the 1962-63 sugar beet campaign. The program will include but not be limited to analysis of dissolved oxygen, B.O.D., suspended solids and the nature of bacteria present.

The Federal government has an obligation in connection with that program, but industry should be given an opportunity to inaugurate and conduct this activity in cooperation with the State water pollution control agencies. Accordingly, the Wyoming Department of Public Health and the Nebraska Department of Health will furnish the Department of Health, Education, and Welfare details of the program by August 1, 1962, so that the Department of Health, Education, and Welfare can evaluate the situation.

It is understood the Department of Health, Education, and Welfare will be called upon in the event the monitoring program indicates the presence of fecal streptococci or fecal coliforms.

8. At the end of the 1962-63 sugar beet campaign all parties concerned will evaluate the accomplishment and effectiveness of the program agreed upon with a view to determining the need for another session of the Conference.

APPENDIX E

FEDERAL INSTALLATIONS

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							IOWA														
							ADAMS CO														
							CORNING														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03358	15409	14	1840	003	0	POST OFFICE	1	1									1			
						1	CORNING MUN SEWER			130		0									
		1					2 COUNTY TOTAL			130											
							ALLAMAKEE CO														
							WAUKON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03219	15475	14	8830	005	0	POST OFFICE	1	1									1			
						1	WAUKON MUN SEWER			250		0									
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07073	11639	14	9999	005	0	EFFIGY MOUNDS NAT MON	1	3									1			
						3	GROUND			500		100									
		2					4 COUNTY TOTAL			750											
							APPANOOSE CO														
							CENTERVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03360	15401	14	1370	007	0	POST OFFICE	1	1									1			
						1	CENTERVILLE CITY SEWER			166		0									
		1					2 COUNTY TOTAL			166											
							AUDUBON CO														
							AUDUBON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03258	15393	14	0480	009	0	POST OFFICE	1	1									1			
						1	AUDUBON CITY SEWER			175		0									
		1					2 COUNTY TOTAL			175											
							BENTON CO														
							VINTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03236	15472	14	8670	011	0	POST OFFICE	1	1									1			
						1	VINTON CITY SEWER			750		0									
		1					2 COUNTY TOTAL			750											
							BLACK HAWK CO														
							CEDAR FALLS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03268	15398	14	1330	013	0	POST OFFICE	1	1									1			
						1	CEDAR FALLS MUN SEWER			20		0									
							WATERLOO														
							DEFENSE														
							NAVY														
1701	23072	01578	14	8790	013	0	RESERVE TRAINING CENTER	1										1			
						1	WATERLOO CITY SEWER			504		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03237	15476	14	8790	013	0	POST OFF & COURTHOUSE	1	3									1			
						1	WATERLOO CITY SEWER			1,878		0									
							DEFENSE														
							ARMY														
2101	21981	17096	14	8790	013	0	USAR CENTER	1										1			
						1	WATERLOO CITY SEWER			1,055		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12985	14	8790	013	0	WATERLOO AIRPT ADM BLDG	1	4									1			
						1	WATERLOO AIRPORT SEWER			429		0									
		5					10 COUNTY TOTAL			3,882											
							BOONE CO														
							BOONE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03271	15396	14	0930	015	0	POST OFFICE	1	1									1			
						1	BOONE CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INITIAL LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO	DAY	YR
							BREMER CO														
							WAVERLY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03220	15476	14	8840	017	0	POST OFFICE	1	1												
						1	WAVERLY CITY SEWER			208		0						1			
							DEFENSE														
							AIR FORCE														
5701	24203	10940	14	8840	017	0	WAVERLY AFS	1													
						3	GROUND			16,000		100						1			
		2					4 COUNTY TOTAL			16,208											
							BUCHANAN CO														
							INDEPENDENCE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03125	15432	14	4010	019	0	POST OFFICE	1	1												
						1	INDEPENDENCE CITY SEWER			100		0						1			
							STORM LAKE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03233	15470	14	8100	019	0	POST OFFICE	1	1												
						1	STORM LAKE CITY SEWER			1,500		0						1			
		2					4 COUNTY TOTAL			1,600											
							CALHOUN CO														
							ROCKWELL CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03329	15463	14	7310	025	0	POST OFFICE	1	1												
						1	ROCKWELL CITY SEWER			150		0						1			
		1					2 COUNTY TOTAL			150											
							CARROLL CO														
							CARROLL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03269	15397	14	1250	027	0	POST OFFICE	1	1												
						1	CARROLL CITY SEWER			126		0						1			
		1					2 COUNTY TOTAL			126											
							CASS CO														
							ATLANTIC														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03257	15392	14	0460	029	0	POST OFFICE	1	1												
						1	ATLANTIC CITY SEWER			2,400		0						1			
		1					2 COUNTY TOTAL			2,400											
							CEDAR CO														
							TIPTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03234	15471	14	8380	031	0	POST OFFICE	1	1												
						1	TIPTON CITY SEWER			200		0						1			
		1					2 COUNTY TOTAL			200											
							CERRO GORDO CO														
							MASON CITY														
							DEFENSE														
							NAVY														
1701	84215	01508	14	5370	033	0	RES ELECTRONIC FACILITY	1													
						1	MASON CITY SEWER			300		0						1			
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03216	15445	14	5370	033	0	POST OFF & COURTHOUSE	1	3												
						1	MASON CITY SEWER			779		0						1			
							FEDERAL AVIATION AGENCY														
6901	00000	12982	14	5370	033	0	MASON CITY AIR AD BLDG	1	1												
						1	ARPT TO MASON CITY SEW			325		0						1			
		3					6 COUNTY TOTAL			1,404											
							CHEROKEE CO														
							CHEROKEE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03265	15404	14	1470	035	0	POST OFFICE	1	1												
						1	CHEROKEE CITY SEWER			80		0						1			
		1					2 COUNTY TOTAL			80											

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY		PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							CHICKASAW CO														
							NEW HAMPTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03348	15452	14	6020	037	0	POST OFFICE	1	1									1			
						1	NEW HAMPTON CITY SEWER			400		0									
		1					2 COUNTY TOTAL			400											
							CLARKE CO														
							OSCEOLA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03353	15456	14	6430	039	0	POST OFFICE	1	1									1			
						1	OSCEOLA MUN SEWER			250		0									
		1					2 COUNTY TOTAL			250											
							CLAY CO														
							SPENCER														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03367	15469	14	7940	041	0	POST OFFICE	1	1									1			
						1	SPENCER CITY SEWER			425		0									
		1					2 COUNTY TOTAL			425											
							CLAYTON CO														
							GUTTENBERG														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09363	09770	14	3560	043	0	GUTTENBERG NAT FISH HAT	1	1									1			
						1	GUTTENBERG CITY SEWER			350		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	10550	17349	14	3560	043	0	MISS RIV L & D #1 RES	1										1			
						3	GROUND			950		100									
		2					4 COUNTY TOTAL			1,300											
							CLINTON CO														
							CLINTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03262	15407	14	1630	045	0	POST OFFICE	1	2									1			
						1	CLINTON CITY SEWER			717		0									
							VETERANS ADMINISTRATION														
3601	07284	00048	14	1630	045	0	V A DOMICILLARY	1	4									1			
						1	CLINTON CITY SEWER			55,000		0									
							DE WITT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03326	15418	14	2280	045	0	POST OFFICE	1	1									1			
						1	DEWITT CITY SEWER			250		0									
		3					6 COUNTY TOTAL			55,967											
							CRAWFORD CO														
							DENISON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03309	15415	14	2230	047	0	POST OFFICE	1	1									1			
						1	DENISON CITY SEWER			800		0									
		1					2 COUNTY TOTAL			800											
							DALLAS CO														
							PERRY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03357	15460	14	6670	049	0	POST OFFICE	1	1									1			
						1	PERRY CITY SEWER			890		0									
		1					2 COUNTY TOTAL			890											
							DAVIS CO														
							BLOOMFIELD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03272	15395	14	0880	051	0	POST OFFICE	1	1									1			
						1	BLOOMFIELD CITY SEWER			170		0									

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07784	06654	14	9999	051	0	L U FARM DWELLING	1	1									1			
						3	GROUND			40		100									
		2					4 COUNTY TOTAL			210											
							DECATUR CO														
							LAMONI														
							FEDERAL AVIATION AGENCY														
6901	43462	12981	14	4470	053	0	LAMONI LANDING FIELD	1	1									1			
						1	LAMONI LAND FLD SEWER			200		0									
							LEON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03199	15439	14	4680	053	0	POST OFFICE	1	1									1			
						1	LEON CITY SEWER			70		0									
		2					4 COUNTY TOTAL			270											
							DELAWARE CO														
							MANCHESTER														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09144	09772	14	5180	055	0	MANCHESTER NAT FISH HAT	1	1								39	1			
						2	SPRING BRANCH						1,600,000		0	0					
						3	GROUND			1,100		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03198	15440	14	5180	055	0	POST OFFICE	1	1									1			
						1	MANCHESTER CITY SEWER			175		0									
		2					5 COUNTY TOTAL			1,275			1,600,000								
							DES MOINES CO														
							BURLINGTON														
							DEFENSE														
							NAVY														
1701	24017	01519	14	1120	057	0	RESERVE TRAINING CENTER	1										1			
						1	BURLINGTON CITY SEWER			600		0									
							DEFENSE														
							ARMY														
2101	20445	19225	14	1120	057	0	IOWA ORD PLANT DIV A	1									39	1			
						2	SKUNK RIVER			84,000		100	500		100	0					
2101	20445	19235	14	1120	057	0	IOWA ORD PLANT DIV A	1										3	09	02	59
						2	BRUSH CREEK			394,490		100									
							GENERAL SERVICES ADMIN														
4706	03270	12288	14	1120	057	0	FEDERAL BUILDING PO	1	3									1			
						1	BURLINGTON CITY SEWER			2,610		0									
							ATOMIC ENERGY COMM														
8901	10528	01803	14	1120	057	0	IOWA ORDNANCE PLANT	1	5									3	09	02	59
						1	IOWA ORD PLANT SEWER			371,500		0									
8901	10528	01809	14	1120	057	0	IOWA ORDNANCE PLANT	1	5								39	3	09	02	59
						2	BRUSH CREEK						254,500		100	0					
		6					12 COUNTY TOTAL			853,200			255,000								
							DUBUQUE CO														
							DUBUQUE														
							DEFENSE														
							NAVY														
1701	22988	01532	14	2430	061	0	RESERVE TRAINING CENTER	1										1			
						1	DUBUQUE CITY SEWER			40		0									
							TREASURY														
							U S COAST GUARD														
2016	07990	08399	14	2430	061	0	CG DEPOT DUBUQUE	1	1									1			
						1	DUBUQUE CITY SEWER			200		0									
							GENERAL SERVICES ADMIN														
4706	03422	12294	14	2430	061	0	POST OFF & COURTHOUSE	1	3									1			
						1	DUBUQUE CITY SEWER			2,790		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09669	17348	14	2430	061	0	MISS RIV LOCK & DAM #11	1										1			
						2	MISSISSIPPI RIVER			300		0	100		0	100					
						3	GROUND			400		100									
		4					9 COUNTY TOTAL			3,730			100								
							EMMET CO														
							ESTHERVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03136	15421	14	2790	063	0	POST OFFICE	1	1									1			
						1	ESTHERVILLE CITY SEWER			135		0									
		1					2 COUNTY TOTAL			135											

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							FAYETTE CO														
							OELWEIN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03350	15454	14	6280	065	0	POST OFFICE	1	1									1			
						1	OELWEIN CITY SEWER			300		0									
							WEST UNION														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03246	15478	14	9070	065	0	POST OFFICE	1	1									1			
						1	WEST UNION CITY SEWER			105		0									
		2					4 COUNTY TOTAL			405											
							FLOYD CO														
							CHARLES CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03359	15403	14	1420	067	0	POST OFFICE	1	1									1			
						1	CHARLES CITY SEWER			516		0									
		1					2 COUNTY TOTAL			516											
							FRANKLIN CO														
							HAMPTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03129	15428	14	3600	069	0	POST OFFICE	1	1									1			
						1	HAMPTON CITY SEWER			1,240		0									
		1					2 COUNTY TOTAL			1,240											
							FREMONT CO														
							HAMBURG														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03130	15427	14	3580	071	0	POST OFFICE	1	1									1			
						1	HAMBURG MUN SEWER			190		0									
		1					2 COUNTY TOTAL			190											
							GREENE CO														
							JEFFERSON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03175	15435	14	4120	073	0	POST OFFICE	1	1									1			
						1	JEFFERSON CITY SEWER			147		0									
		1					2 COUNTY TOTAL			147											
							HAMILTON CO														
							WEBSTER CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03221	15477	14	8880	079	0	POST OFFICE	1	1									1			
						1	WEBSTER CITY SEWER			225		0									
		1					2 COUNTY TOTAL			225											
							HANCOCK CO														
							GARNER														
							DEFENSE														
							ARMY														
2101	21982	17091	14	3160	081	0	USAR CENTER	1										1			
						1	GARNER CITY SEWER			65		0									
		1					2 COUNTY TOTAL			65											
							HARDIN CO														
							ELDORA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03325	15419	14	2630	083	0	POST OFFICE	1	1									1			
						1	ELDORA CITY SEWER			105		0									
							IOWA FALLS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03176	15436	14	4060	083	0	POST OFFICE	1	1									1			
						1	IOWA FALLS CITY SEWER			170		0									
		2					4 COUNTY TOTAL			275											

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							HARRISON CO														
							MISSOURI VALLEY														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	12972	09773	14	5650	085	0	DESOTO NAT WL REF DWELL	2	1									1			
						3	GROUND			250		100									
							POST OFFICE														
							BURFAU OF FACILITIES														
1804	03215	15446	14	5650	085	0	POST OFFICE	1	1									1			
						1	MISSOURI VALLEY CITY SEW			140		0									
							DEFENSE														
							AIR FORCE														
5701	25376	08965	14	5650	085	0	OFFUTT AFB-MSL SITE 3	1										1			
						3	GROUND			15,000		100									
		3					6 COUNTY TOTAL			15,390											
							HENRY CO														
							MT PLEASANT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03345	15449	14	5870	087	0	POST OFFICE	1	1									1			
						1	MT PLEASANT CITY SEWER			650		0									
		1					2 COUNTY TOTAL			650											
							HOWARD CO														
							CRESCO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03313	15411	14	1930	089	0	POST OFFICE	1	1									1			
						1	CRESCO CITY SEWER			120		0									
		1					2 COUNTY TOTAL			120											
							IDA CO														
							IDA GROVE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03126	15431	14	3990	093	0	POST OFFICE	1	1									1			
						1	IDA GROVE CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							IOWA CO														
							AMANA														
							AGRICULTURE														
							FOREST SERVICE														
1226	07768	06004	14	0225	095	0	AMANA EXPER FOREST HQ	1	1									1			
						3	GROUND			50		100									
							MARENGO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03403	15442	14	5280	095	0	POST OFFICE	1	1									1			
						1	MARENGO CITY SEWER			175		0									
		2					4 COUNTY TOTAL			225											
							JACKSON CO														
							BELLEVUE														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09695	17347	14	0720	097	0	MISS RIV LOCK & DAM #12	1										1			
						2	MISSISSIPPI RIVER			300		0	100		0	100					
						3	GROUND			400		100									
							MAQUOKETA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03197	15441	14	5240	097	0	POST OFFICE	1	1									1			
						1	MAQUOKETA MUN SEWER			100		0									
		2					5 COUNTY TOTAL			800			100								
							JASPER CO														
							NEWTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03349	15453	14	6090	099	0	POST OFFICE	1	1									1			
						1	NEWTON CITY SEWER			600		0									
		1					2 COUNTY TOTAL			600											

GSA FORM 745C
MARCH 1961

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							JEFFERSON CO														
							FAIRFIELD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03368	15422	14	2860	101	0	POST OFFICE	1	1									1			
						1	FAIRFIELD CITY SEWER			400		0									
		1					2 COUNTY TOTAL			400											
							JOHNSON CO														
							IOWA CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03376	15433	14	4050	103	0	POST OFFICE	1	3									1			
						1	IOWA CITY SEWER			1,500		0									
							DEFENSE														
							ARMY														
2101	22250	17092	14	4050	103	0	USAR CENTER	1										1			
						1	IOWA CITY SEWER			3,210		0									
							VETERANS ADMINISTRATION														
3601	10288	00050	14	4050	103	0	V A HOSPITAL	1	4									1			
						1	IOWA CITY SEWER			150,000		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
							CORALVILLE RESERVOIR														
9601	09692	17350	14	4050	103	0	CORALVILLE RESVR CONCESS	2										1			
						3	GROUND			400		100									
9601	09692	17351	14	4050	103	0	CORALVILLE RESVR DOCKS	2										1			
						3	GROUND			15P		0									
9601	09692	17352	14	4050	103	0	CORALVILLE RESERVOIR	1										1			
						3	GROUND			260		100									
9601	09692	20376	14	4050	103	0	LAKE MACBRIDE REC AREA	2										1			
						3	GROUND			600		100									
9601	09692	20375	14	4050	103	0	SANDY BEACH REC AREA	1										1			
						3	GROUND			15P		0									
		8					16 COUNTY TOTAL			155,970 30P											
							JONES CO														
							ANAMOSA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03256	15391	14	0240	105	0	POST OFFICE	1	1									1			
						1	ANAMOSA CITY SEWER			225		0									
							MONTICELLO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03214	15447	14	5750	105	0	POST OFFICE	1	1									1			
						1	MONTICELLO CITY SEWER			200		0									
		2					4 COUNTY TOTAL			425											
							KEOKUK CO														
							SIGOURNEY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03251	15467	14	7820	107	0	POST OFFICE	1	1									1			
						1	SIGOURNEY CITY SEWER			225		0									
		1					2 COUNTY TOTAL			225											
							KOSSUTH CO														
							ALGONA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03384	15389	14	0150	109	0	POST OFFICE	1	1									1			
						1	ALGONA MUN SEWER			225		0									
							TITONKA														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09324	09775	14	8390	109	0	UNION SLOUGH WILD REF	1	1									1			
						1	TITONKA CITY SEWER			50		0									
		2					4 COUNTY TOTAL			275											
							LEE CO														
							FORT MADISON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03132	15424	14	3030	111	0	POST OFFICE	1	1									1			
						1	FORT MADISON CITY SEWER			230		0									

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY		PERCENT TREATED	VOLUME GALLONS PER DAY		PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							KEOKUK														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03202	15636	14	4250	111	0	POST OFF & COURTHOUSE	1	1									1			
						1	KEOKUK MUN SEWER			660		0									
							DEFENSE														
							ARMY														
2101	20470	17093	14	4250	111	0	KEOKUK NATL CEMETERY	1										1			
						1	KEOKUK CITY SEWER			100		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09701	17353	14	4250	111	0	MISS RIV LOCK & DAM #19	1										1			
						2	MISSISSIPPI RIVER			400		0	100		0	100					
						3	GROUND			200		100									
		4					9 COUNTY TOTAL			1,590			100								
							LINN CO														
							CEDAR RAPIDS														
							DEFENSE														
							NAVY														
1701	00000	01673	14	1340	113	0	INSPECTOR NAV MATERIAL	1										1			
						1	CEDAR RAPIDS CITY SEWER			500		0									
1701	84227	01522	14	1340	113	0	RESERVE TRAINING CENTER	1										1			
						1	CEDAR RAPIDS MUNCPL SEW			300		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	01306	15399	14	1340	113	0	VEHICLE MAINT FACILITY	1	2									1			
						1	CEDAR RAPIDS CITY SEWER			690		0									
1804	03267	15400	14	1340	113	0	POST OFF & COURTHOUSE	1	4									1			
						1	CEDAR RAPIDS CITY SEWER			1,875		0									
							FEDERAL AVIATION AGENCY														
6901	43457	12978	14	1340	113	0	CEDAR RAPIDS TR BLDG	1	1									1			
						1	CEDAR RAPIDS AIRPT SEW			675		0									
							MARION														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03218	15443	14	5290	113	0	POST OFFICE	1	1									1			
						1	MARION CITY SEWER			175		0									
		6					12 COUNTY TOTAL			4,215											
							LOUISA CO														
							COLUMBUS JCTN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	13261	15408	14	1760	115	0	POST OFFICE	1	1									1			
						1	COLUMBUS JUNCTION SEWER			125		0									
		1					2 COUNTY TOTAL			125											
							LUCAS CO														
							CHARITON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03266	15402	14	1410	117	0	POST OFFICE	1	1									1			
						1	CHARITON CITY SEWER			170		0									
		1					2 COUNTY TOTAL			170											
							LYON CO														
							ROCK RAPIDS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03328	15462	14	7280	119	0	POST OFFICE	1	1									1			
						1	ROCK RAPIDS CITY SEWER			250		0									
		1					2 COUNTY TOTAL			250											
							MADISON CO														
							WINTERSET														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03247	15479	14	9200	121	0	POST OFFICE	1	1									1			
						1	WINTERSET CITY SEWER			110		0									
		1					2 COUNTY TOTAL			110											
							MAHASKA CO														
							OSKALOOSA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03354	15457	14	6440	123	0	POST OFFICE	1	1									1			
						1	OSKALOOSA MUN SEWER			200		0									
		1					2 COUNTY TOTAL			200											

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							MARION CO														
							KNOXVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03200	15437	14	4380	125	0	POST OFFICE	1	1									1			
						1	KNOXVILLE CITY SEWER			186		0									
							VETERANS ADMINISTRATION														
3601	07292	00051	14	4380	125	0	V A HOSPITAL	1	6									1			
						2	DES MOINES RIVER			231,000		100									
							PELLA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03356	15459	14	6650	125	0	POST OFFICE	1	1									1			
						1	PELLA CITY SEWER			1,300		0									
		3					6 COUNTY TOTAL			232,486											
							MARSHALL CO														
							MARSHALLTOWN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03217	15444	14	5320	127	0	POST OFFICE	1	2									1			
						1	MARSHALLTOWN MUN SEWER			475		0									
		1					2 COUNTY TOTAL			475											
							MILLS CO														
							GLENWOOD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03133	15425	14	3260	129	0	POST OFFICE	1	1									1			
						1	GLENWOOD CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							MITCHELL CO														
							OSAGE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03352	16459	14	6420	131	0	POST OFFICE	1	1									1			
						1	OSAGE CITY SEWER			1,194		0									
		1					2 COUNTY TOTAL			1,194											
							MONONA CO														
							ONAWA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03352	15455	14	6350	133	0	POST OFFICE	1	1									1			
						1	ONAWA CITY SEWER			100		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	17355	14	6350	133	0	WORK BARGE	1										1			
						3	GROUND			2P		100									
9601	12552	17354	14	6350	133	0	ONAWA AREA OFFICE	1										1			
						1	ONAWA CITY SEWER			600		0									
		3					6 COUNTY TOTAL			700 2P											
							MONROE CO														
							ALBIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03259	15388	14	0100	135	0	POST OFFICE	1	1									1			
						1	ALBIA CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											
							MONTGOMERY CO														
							RED OAK														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03387	15461	14	7100	137	0	POST OFFICE	1	1									1			
						1	RED OAK CITY SEWER			92		0									
		1					2 COUNTY TOTAL			92											
							MUSCATINE CO														
							MUSCATINE														
							INTERIOR														
							FISH AND WILDLIFE SERV														
3413	09179	09774	14	5930	139	0	FAIRPORT NAT FISH HATCH	1	1									1			
						3	GROUND			450		100									

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DATE DAY	DATE YR
1804	03346	15450 2	14	5930	139	0 1	POST OFFICE BUREAU OF FACILITIES POST OFFICE MUSCATINE CITY SEWER 4 COUNTY TOTAL	1	2	68 518		0						1			
							O BRIEN CO														
1804	03249	15465 1	14	7750	141	0 1	SHELDON POST OFFICE BUREAU OF FACILITIES POST OFFICE SHELDON CITY SEWER 2 COUNTY TOTAL	1	1	150 150		0						1			
							PAGE CO														
1804	03264	15405	14	1540	145	0 1	CLARINDA POST OFFICE BUREAU OF FACILITIES POST OFFICE CLARINDA CITY SEWER	1	1	341		0						1			
1212	13093	07923	14	7780	145	0 3	SHENANDOAH AGRICULTURE AGR RESEARCH SERVICE S AND W RES DIV GROUND	1	1	125		100						1			
1804	03250	15466 3	14	7780	145	0 1	POST OFFICE BUREAU OF FACILITIES POST OFFICE SHENANDOAH CITY SEWER 6 COUNTY TOTAL	1	1	180 646		0						1			
							PALO ALTO CO														
1804	03344	15420 1	14	2760	147	0 1	EMMETSBURG POST OFFICE BUREAU OF FACILITIES POST OFFICE EMMETSBURG MUN SEWER 2 COUNTY TOTAL	1	1	300 300		0						1			
							PLYMOUTH CO														
1417	06948	10412	14	3850	149	0 3	HINTON INTERIOR BUR OF RECLAMATION SIOUX CITY SUBSTATION GROUND	1	1	600		100						1			
1804	03201	15438 2	14	4660	149	0 1	LE MARS POST OFFICE BUREAU OF FACILITIES POST OFFICE LE MARS CITY SEWER 4 COUNTY TOTAL	1	1	230 830		0						1			
							POLK CO														
1229	07452	09269	14	2260	153	0 1	DES MOINES AGRICULTURE SOIL CONSERVATION SER REPAIR SHOP DES MOINES CITY SEWER	1	1	50		0						1			
1701	00000	01484	14	2260	153	0 1	DEFENSE NAVY RECRUITING STATION DES MOINES CITY SEWER	1		500		0						1			
1804	03286	15416	14	2260	153	0 1	POST OFFICE BUREAU OF FACILITIES POST OFFICE GARAGE DES MOINES CITY SEWER	1	4	9,100		0						1			
1804	03286	15417	14	2260	153	0 1	POST OFFICE DES MOINES CITY SEWER	1	2	1,225		0						1			
3601	10262	00049	14	2260	153	0 1	VETERANS ADMINISTRATION V A HOSPITAL DES MOINES CITY SEWER	1	4	71,000		0						1			
4706	03423	12291	14	2260	153	0 1	GENERAL SERVICES ADMIN COURT HOUSE DES MOINES CITY SEWER	1	3	4,995		0						1			

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

OSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	FAC. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
4706	03424	12293	14	2260	153	0	FEDERAL OFFICE BUILDING	1	3									1			
						1	DES MOINES CITY SEWER			2,272		0									
4706	03440	12292	14	2260	153	0	FEDERAL BUILDING	1	3									1			
						1	DES MOINES CITY SEWER			9,270		0									
4706	20264	12290	14	2260	153	0	BLDG 68 FORT DES MOINES	1	1									1			
						1	DES MOINES CITY SEWER			283		0									
							FEDERAL AVIATION AGENCY														
6901	43460	12979	14	2260	153	0	DES MOINES AIRPT AD BLDG	1	1									1			
						1	DES MOINES AIRPT SEWER			575		0									
							FT DES MOINES														
							DEFENSE														
							NAVY														
1701	24018	01530	14	3015	153	0	RESERVE TRAINING CENTER	1										1			
						1	DES MOINES CITY SEWER			500		0									
							DEFENSE														
							ARMY														
2101	20264	17090	14	3015	153	0	FT DES MOINES	1										1			
						1	DES MOINES CITY SEWER			38,320		0									
		12					24 COUNTY TOTAL			138,090											
							POTTAWATTAMIE CO														
							COUNCIL BLUFFS														
							DEFENSE														
							ARMY														
2101	00000	19739	14	1900	155	0	445 TRAIL RIDGE	1										1			
						1	COUNCIL BLUFFS CITY SEW			300		0									
2101	00000	19740	14	1900	155	0	R F D #2	1										1			
						3	GROUND			600		100									
2101	00000	20797	14	1900	155	0	LSD HSG MIL 6 HOUSES	1										1			
						1	COUNCIL BLUFFS CITY SEW			2,400		0									
2101	00000	20798	14	1900	155	0	LSD HSG MIL 7 HOUSES	1										1			
						1	COUNCIL BLUFFS CITY SEW			2,700		0									
2101	00000	20799	14	1900	155	0	LSD HSG MIL 5 HOUSES	1										1			
						1	COUNCIL BLUFFS CITY SEW			1,800		0									
2101	00000	20800	14	1900	155	0	LSD HSG MIL 6 HOUSES	1										1			
						1	COUNCIL BLUFFS CITY SEW			2,500		0									
2101	21877	17088	14	1900	155	0	USAR CENTER	1										1			
						1	COUNCIL BLUFFS CITY SEW			255		0									
							GENERAL SERVICES ADMIN														
4706	03423	12289	14	1900	155	0	FEDERAL BUILDING	1	3									1			
						1	COUNCIL BLUFFS CITY SEW			3,082		0									
							TREYNOR														
							DEFENSE														
							ARMY														
2101	22118	17095	14	8430	155	0	NIKE OFFUTT AFB SITE 10	1										1			
						3	GROUND			2,844		100									
2101	22118	19119	14	8430	155	0	NIKE OFFUTT AFB SITE 10	1										1			
						3	GROUND			1,350		100									
						3	GROUND			BP		100									
		10					21 COUNTY TOTAL			17,831 BP											
							POWESHIEK CO														
							GRINNELL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03131	15426	14	3500	157	0	POST OFFICE	1	1									1			
						1	GRINNELL CITY SEWER			58		0									
		1					2 COUNTY TOTAL			58											
							RINGGOLD CO														
							MT AYR														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03213	15448	14	5860	159	0	POST OFFICE	1	1									1			
						1	MOUNT AYR TOWN SEWER			80		0									
		1					2 COUNTY TOTAL			80											
							SAC CO														
							SAC CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03330	15464	14	7490	161	0	POST OFFICE	1	1									1			
						1	SAC CITY SEWER			165		0									
		1					2 COUNTY TOTAL			165											

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							SCOTT CO														
							DAVENPORT														
							DEFENSE														
							NAVY														
1701	23670	01527	14	2080	163	0	RESERVE TRAINING CENTER	1										1			
						1	DAVENPORT CITY SEWER			600		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03311	15413	14	2080	163	0	POST OFF & COURTHOUSE	1	3									1			
						1	DAVENPORT CITY SEWER			1,635		0									
							DEFENSE														
							ARMY														
2101	21799	17089	14	2080	163	0	USAR CENTER	1	4									1			
						1	DAVENPORT CITY SEW			245		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09697	17357	14	9999	163	0	MISS RIV LOCK & DAM #14	1										1			
						2	MISSISSIPPI RIVER			300		0	100		0	100					
						3	GROUND			400		100									
9601	09703	17356	14	9999	163	0	LECLAIRE SERVICE BASE	1										1			
						3	GROUND			230		100									
		5					11 COUNTY TOTAL			3,410			100								
							SHELBY CO														
							HARLAN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03128	15429	14	3660	165	0	POST OFFICE	1	1									1			
						1	HARLAN MUN SEWER			104		0									
		1					2 COUNTY TOTAL			104											
							SIOUX CO														
							HAWARDEN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03127	15430	14	3760	167	0	POST OFFICE	1	1									1			
						1	HAWARDEN MUN SEWER			120		0									
		1					2 COUNTY TOTAL			120											
							STORY CO														
							AMES														
							AGRICULTURE														
							AGR RESEARCH SERVICE														
1212	07325	07820	14	0230	169	0	HOG CHOLERA RES STA	1	1									1			
						3	GROUND			500		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03255	15390	14	0230	169	0	POST OFFICE	1	2									1			
						1	AMES CITY SEWER			2,000		0									
							ATOMIC ENERGY COMM														
8901	08950	01831	14	0230	169	0	IOWA STATE UNIVERSITY	1	4								28	1			
						1	AMES CITY SEWER			50,000		0	150,000		100	50					
							NEVADA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03347	15451	14	5980	169	0	POST OFFICE	1	1									1			
						1	NEVADA CITY SEWER			185		0									
		4					8 COUNTY TOTAL			52,685			150,000								
							TAMA CO														
							TAMA														
							INTERIOR														
							BUR OF INDIAN AFFAIRS														
1415	09048	09453	14	8260	171	0	GR LAKES SAC-FOX D SCHL	1	2									1			
						3	GROUND			3,000		100									
		1					2 COUNTY TOTAL			3,000											
							TAYLOR CO														
							BEDFORD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03389	15394	14	0700	173	0	POST OFFICE	1	1									1			
						1	BEDFORD MUN SEWER			100		0									
		1					2 COUNTY TOTAL			100											

IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							UNION CO														
							CRESTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03312	15412	14	1940	175	0	POST OFF & COURTHOUSE	1	1									1			
						1	CRESTON MUN SEWER			314		0									
		1					2 COUNTY TOTAL			314											
							VAN BUREN CO														
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07784	06655	14	9999	177	0	L U FARM DWELLING	1	1									1			
						3	GROUND			80		100									
		1					2 COUNTY TOTAL			80											
							WAPELLO CO														
							OTTUMWA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03355	15458	14	6490	179	0	POST OFF & COURTHOUSE	1	1									1			
						1	OTTUMWA CITY SEWER			250		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12983	14	6490	179	0	OTTUMWA AIRPT OPER BLDG	1	1									1			
						1	OTTUMWA AIRPORT SEWER			250		0									
		2					4 COUNTY TOTAL			500											
							WASHINGTON CO														
							WASHINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03235	15473	14	8770	183	0	POST OFFICE	1	1									1			
						1	WASHINGTON CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											
							WAYNE CO														
							CORYDON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03260	15410	14	1870	185	0	POST OFFICE	1	1									1			
						1	CORYDON CITY SEWER			125		0									
		1					2 COUNTY TOTAL			125											
							WEBSTER CO														
							FORT DODGE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03134	20970	14	3020	187	0	POST OFFICE & COURTHOUSE	1	2									1			
						1	FORT DODGE CITY SEWER			2,150		0									
							GENERAL SERVICES ADMIN														
4706	13126	12295	14	3020	187	0	FEDERAL BUILDING	1	3								39	1			
						1	FORT DODGE CITY SEWER			10,224		0	23,866		0	60					
							FEDERAL AVIATION AGENCY														
6901	00000	12980	14	3020	187	0	FT DODGE AIRPT AD BLDG	1	1									1			
						1	FORT DODGE AIRPORT SEWER			50		0									
		3					6 COUNTY TOTAL			12,424			23,866								
							WINNEBAGO CO														
							FOREST CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03135	15423	14	3000	189	0	POST OFFICE	1	1									1			
						1	FOREST CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							WINNESHIEK CO														
							DECORAH														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03310	15414	14	2130	191	0	POST OFFICE	1	1									1			
						1	DECORAH MUN SEWER			250		0									
		1					2 COUNTY TOTAL			250											

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IOWA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOURCE	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							WOODBURY CO														
							SERGANT BLUFF														
							DEFENSE														
							AIR FORCE														
5701	24256	10939	14	7670	193	0	SIOUX CITY MUNI AIRPORT	1										1			
						2	MISSOURI RIVER			350,000		0									
							SIOUX CITY														
							DEFENSE														
							NAVY														
1701	23063	01571	14	7850	193	0	RESERVE TRAINING CENTER	1										1			
						1	SIOUX CITY SEWER			110		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00732	15468	14	7850	193	0	VEHICLE MAINT FACILITY	1	2									1			
						1	SIOUX CITY SEWER			150		0									
							DEFENSE														
							ARMY														
2101	00000	19741	14	7850	193	0	5601 SOUTH WINDSOR	1										1			
						1	SIOUX CITY SEWER			300		0									
2101	00000	20801	14	7850	193	0	LSD HSG MIL 5 HOUSES	1										1			
						1	SIOUX CITY SEWER			1,300		0									
2101	21980	17094	14	7850	193	0	USAR CENTER	1										1			
						1	SIOUX CITY SEWER			920		0									
							GENERAL SERVICES ADMIN														
4706	03252	12296	14	7850	193	0	FEDERAL BUILDING	1	3									1			
						1	SIOUX CITY SEWER			5,000		0									
							FEDERAL AVIATION AGENCY														
6901	43461	12984	14	7850	193	0	SIOUX CITY AIR ADM BLDG	1	1									1			
						1	SIOUX CITY AIRPT SEWER			525		0									
		8					16 COUNTY TOTAL			358,305											
							WRIGHT CO														
							CLARION														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	13263	15406	14	1550	197	0	POST OFFICE	1	1									1			
						1	CLARION CITY SEWER			170		0									
		1					2 COUNTY TOTAL			170											
		179					364 STATE TOTAL			1,957,778			2,029,266								
										40P											

GSA FORM [illegible]
MARCH [illegible]

KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DATE DAY	DATE YR.
							KANSAS														
							ALLEN CO														
							IOLA														
							AGRICULTURE														
							SOIL CONSERVATION SER														
1229	07453	09270	15	2700	001	0	WEATHER BUREAU BLDG	1	1									1			
						1	IOLA CITY SEWER			30		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03017	14845	15	2700	001	0	POST OFFICE	1	1									1			
						1	IOLA CITY SEWER			86		0									
		2					4 COUNTY TOTAL			116											
							ATCHISON CO														
							ATCHISON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03224	14816	15	0260	005	0	POST OFFICE	1	1									1			
						1	ATCHISON CITY SEWER			200		0									
							DEFENSE														
							ARMY														
2101	21158	17097	15	0260	005	0	ATCHISON ORD STOR FAC	1										1			
						2	MISSOURI RIVER			2,000		100									
		2					4 COUNTY TOTAL			2,200											
							BARTON CO														
							GREAT BEND														
							DEFENSE														
							ARMY														
2101	21727	17101	15	2150	009	0	USAR CENTER	1										1			
						1	GREAT BEND CITY SEWER			805		0									
							HOISINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03245	14840	15	2490	009	0	POST OFFICE	1	1									1			
						1	HOISINGTON CITY SEWER			75		0									
		2					4 COUNTY TOTAL			880											
							BOURBON CO														
							FORT SCOTT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03210	14832	15	1830	011	0	POST OFF & COURTHOUSE	1	2									1			
						1	FT SCOTT CITY SEWER			310		0									
							DEFENSE														
							ARMY														
2101	20811	17099	15	1830	011	0	FT SCOTT NAT CEMETERY	1										1			
						3	GROUND			100		100									
		2					4 COUNTY TOTAL			410											
							BROWN CO														
							HIAWATHA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03244	14839	15	2450	013	0	POST OFFICE	1	1									1			
						1	HIAWATHA CITY SEWER			175		0									
							HORTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03020	14842	15	2560	013	0	POST OFFICE	1	1									1			
						1	HORTON CITY SEWER			100		0									
		2					4 COUNTY TOTAL			275											
							BUTLER CO														
							AUGUSTA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03225	14817	15	0310	015	0	POST OFFICE	1	1									1			
						1	AUGUSTA CITY SEWER			75		0									
							EL DORADO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03207	14830	15	1540	015	0	POST OFFICE	1	1									1			
						1	EL DORADO CITY SEWER			320		0									

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	[illegible]	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							GENERAL SERVICES ADMIN														
4706	13201	12297	15	1540	015	0	POST OFFICE	1	1									1			
						1	EL DORADO CITY SEWER			320		0									
		3					6 COUNTY TOTAL			715											
							CHAUTAUQUA CO														
							SEDAN														
							GENERAL SERVICES ADMIN														
4706	03397	12300	15	5000	019	0	FEDERAL BUILDING	1	1									1			
						1	SEDAN CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											
							CHEROKEE CO														
							BAXTER SPRINGS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03226	20971	15	0390	021	0	POST OFFICE	1	1									1			
						1	BAXTER SPGS CITY SEWER			500		0									
							COLUMBUS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03203	14826	15	1100	021	0	POST OFFICE	1	1									1			
						1	COLUMBUS CITY SEWER			200		0									
		2					4 COUNTY TOTAL			700											
							CLAY CO														
							CLAY CENTER														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03174	14824	15	0980	027	0	POST OFFICE	1	1									1			
						1	CLAY CENTER CITY SEWER			60		0									
		1					2 COUNTY TOTAL			60											
							CLOUD CO														
							CONCORDIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03204	14827	15	1120	029	0	POST OFFICE	1	1									1			
						1	CONCORDIA CITY SEWER			405		0									
		1					2 COUNTY TOTAL			405											
							COFFEY CO														
							BURLINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03229	14820	15	0690	031	0	POST OFFICE	1	1									1			
						1	BURLINGTON CITY SEWER			4,600		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	13520	20393	15	9999	031	0	CORPS ENG-J REDMOND RESV	1										1			
						3	GROUND			100		100									
						3	GROUND			100	P	0									
		2					5 COUNTY TOTAL			4,700											
										100	P										
							COWLEY CO														
							ARKANSAS CITY														
							DEFENSE														
							NAVY														
1701	84886	01513	15	0210	035	0	RES ELECTRONIC FACILITY	1										1			
						1	ARKANSAS CITY SEWER			300		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03223	14815	15	0210	035	0	POST OFFICE	1	1									1			
						1	ARKANSAS CITY SEWER			1,100		0									
							WINFIELD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03158	14877	15	5970	035	0	POST OFFICE	1	1									1			
						1	WINFIELD CITY SEWER			100		0									
		3					6 COUNTY TOTAL			1,500											

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL AGENCY OR BUREAU	GSA CONTROL INSTALLATION	GSA CONTROL REPORT NUMBER	GEOGRAPHIC LOCATION STATE	GEOGRAPHIC LOCATION CITY	GEOGRAPHIC LOCATION COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE VOLUME GALLONS PER DAY	SEWAGE PERSONS	SEWAGE PERCENT TREATED	INDUSTRIAL WASTE VOLUME GALLONS PER DAY	INDUSTRIAL WASTE SOLIDS	INDUSTRIAL WASTE PERCENT TREATED	INDUSTRIAL WASTE PERCENT COOLING	INDUSTRIAL ACTIVITY CODES	NOTIFICATION TYPE	NOTIFICATION DATE MO.	NOTIFICATION DATE DAY	NOTIFICATION DATE YR.
							CRAWFORD CO														
							FARLINGTON														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09372	09776	15	1785	037	0	FARLINGTON NAT FISH HAT	1	1								39	1			
						2	DRYWOOD CREEK						36,205		0	0					
						3	GROUND			500		0									
							GIRARD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03258	14834	15	2050	037	0	POST OFFICE	1	1									1			
						1	GIRARD CITY SEWER			100		0									
							PITTSBURG														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03111	14867	15	4460	037	0	POST OFFICE	1	2									1			
						1	PITTSBURG CITY SEWER			760		0									
		3					7 COUNTY TOTAL			1,360			36,205								
							DICKINSON CO														
							ABILENE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03248	14813	15	0020	041	0	POST OFFICE	1	1									1			
						1	ABILENE CITY SEWER			200		0									
							HERINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03243	14838	15	2420	041	0	POST OFFICE	1	1									1			
						1	HERINGTON CITY SEWER			300		0									
		2					4 COUNTY TOTAL			500											
							DOUGLAS CO														
							LAWRENCE														
							INTERIOR														
							BUR OF INDIAN AFFAIRS														
1419	09017	12246	15	3010	045	0	HASKELL INSTITUTE	1	5									1			
						1	LAWRENCE CITY SEWER			21,000		0									
						2	WAKARUSA RIVER			64,000		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03012	14850	15	3010	045	0	POST OFFICE	1	2									1			
						1	LAWRENCE CITY SEWER			437		0									
							DEFENSE														
							ARMY														
2101	20878	17109	15	3010	045	0	SUNFLOWER ORD WORKS	1									39	1			
						2	KILL CREEK			121,000		100	5,000		100	0					
						3	GROUND			1,000		100									
2101	21894	17108	15	3010	045	0	USAR CENTER	1										1			
						1	LAWRENCE CITY SEWER			794		0									
							HEALTH ED AND WELFARE														
							PUBLIC HEALTH SERVICE														
7513	11493	00570	15	3010	045	0	INDIAN SCHOOL-HEALTH CEN	1	1									1			
						1	LAWRENCE CITY SEWER			10,000		0									
		5					12 COUNTY TOTAL			218,231			5,000								
							ELLIS CO														
							HAYS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03242	14837	15	2390	051	0	POST OFFICE	1	1									1			
						1	HAYS CITY SEWER			87		0									
		1					2 COUNTY TOTAL			87											
							FINNEY CO														
							GARDEN CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03212	20972	15	1950	055	0	POST OFFICE	1	1									1			
						1	GARDEN CITY SEWER			176		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12989	15	1950	055	0	MUN AIRPORT NAV FAC	1	1									1			
						1	GARDEN CITY AIRPT SEWER			350		0									
		2					4 COUNTY TOTAL			526											

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							FORD CO														
							DODGE CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03206	14829	15	1370	057	0	POST OFFICE	1	2									1			
						1	DODGE CITY SEWER			635		0									
							FEDERAL AVIATION AGENCY														
6901	43469	12987	15	1370	057	0	DODGE CITY AIR ADM BLDG	1	1									1			
						1	DODGE CITY AIRPORT SEW			200		0									
		2					4 COUNTY TOTAL			835											
							FRANKLIN CO														
							OTTAWA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03114	14864	15	4270	059	0	POST OFFICE	1	1									1			
						1	OTTAWA CITY SEWER			680		0									
		1					2 COUNTY TOTAL			680											
							GEARY CO														
							FORT RILEY														
							DEFENSE														
							ARMY														
2101	20756	17103	15	1826	061	0	FORT RILEY CUSTER HILL	1									39	1			
						2	REPUBLICAN RIVER						15,000		0	0					
						2	KANSAS RIVER			3,191,000		100									
2101	20756	17104	15	1826	061	0	FORT RILEY FORSYTH	1									39	1			
						2	REPUBLICAN RIVER			3,318,000		100	15,000		0	0					
2101	20756	17105	15	1826	061	0	FORT RILEY FUNSTON	1									39	1			
						2	KANSAS RIVER			4,204,000		100	60,000		0	0					
2101	20756	17106	15	1826	061	0	FORT RILEY PROPER	1										1			
						2	KANSAS RIVER			4,475,000		100									
						3	GROUND			300		100									
2101	20756	19292	15	1826	061	0	FORT RILEY MARSHALL FIELD	1									39	1			
						2	KANSAS RIVER						7,000		0	0					
2101	20756	19742	15	1826	061	0	FORT RILEY RANGE AREA	1										1			
						3	GROUND			750	P	0									
							HEALTH ED AND WELFARE														
							OFFICE OF EDUCATION														
7509	11219	08274	15	1826	061	0	FORT RILEY MIL RES SCH	1	5									1			
						1	FORT RILEY ARMY SEWER			49,100		0									
							JUNCTION CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03016	14846	15	2790	061	0	POST OFFICE	1	1									1			
						1	JUNCTION CITY SEWER			200		0									
		8					18 COUNTY TOTAL			15,237,600 750	 P		97,000								
							GRAHAM CO														
							HILL CITY														
							FEDERAL AVIATION AGENCY														
6901	00000	12991	15	2470	065	0	MUN AIRPORT NAV FAC	1	1									1			
						1	HILL CITY AIRPORT SEWER			225		0									
		1					2 COUNTY TOTAL			225											
							GREENWOOD CO														
							EUREKA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03209	14831	15	1740	073	0	POST OFFICE	1	1									1			
						1	EUREKA CITY SEWER			111		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							FALL RIVER DAM RES														
9601	10008	20038	15	9999	073	0	DAMSITE AREA	1										1			
						3	GROUND			60	P	0									
						3	GROUND			2,000		100									
9601	10008	20039	15	9999	073	0	WHITEHALL BAY AREA	2										1			
						3	GROUND			40	P	0									
						3	GROUND			200		100									
9601	10008	20040	15	9999	073	0	SUNFLOWER HILL	2										1			
						3	GROUND			40	P	0									
						3	GROUND			500		100									

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
9601	10008	20041	15	9999	073	0	FREDONIA BAY AREA	2										1			
						3	GROUND			60P		0						1			
9601	10008	20042	15	9999	073	0	BOY SCOUTS QUIVIRA COUNC	2													
						3	GROUND			20P		0									
							15 COUNTY TOTAL			2,811											
		6								220P											
							HARPER CO														
							ANTHONY														
							POST OFFICE														
							BUREAU OF FACILITIES											1			
1804	03222	14814	15	0180	077	0	POST OFFICE	1	1												
						1	ANTHONY CITY SEWER			60		C									
							2 COUNTY TOTAL			60											
		1																			
							HARVEY CO														
							HALSTEAD														
							POST OFFICE														
							BUREAU OF FACILITIES											1			
1804	03241	14836	15	2250	079	0	POST OFFICE	1	1												
						1	HALSTEAD CITY SEWER			75		0									
							NEWTON														
							POST OFFICE														
							BUREAU OF FACILITIES											1			
1804	03118	14859	15	4000	079	0	POST OFFICE	1	1												
						1	NEWTON CITY SEWER			1,102		0									
							4 COUNTY TOTAL			1,177											
		2																			
							JACKSON CO														
							HOLTON														
							POST OFFICE														
							BUREAU OF FACILITIES											1			
1804	03021	14841	15	2520	085	0	POST OFFICE	1	1												
						1	HOLTON CITY SEWER			160		0									
							HEALTH ED AND WELFARE														
							PUBLIC HEALTH SERVICE											1			
7513	00000	00569	15	2520	085	0	INDIAN HEALTH STATION	1	1												
						1	HOLTON CITY SEWER			100		0									
							4 COUNTY TOTAL			260											
		2																			
							JEWELL CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							BUR OF RECLAMATION											1			
1417	06969	10416	15	9999	089	0	LOVEWELL DAM RES	1	1												
						3	GROUND			150		100									
							2 COUNTY TOTAL			150											
		1																			
							JOHNSON CO														
							DE SOTO														
							DEFENSE														
							ARMY											1			
2101	22330	19180	15	1340	091	0	MIDWEST RELAY RCVR STA	1													
						3	GROUND			480		100									
							GARDNER														
							DEFENSE														
							ARMY											1			
2101	00000	20802	15	1970	091	0	NIKE KC DA HOUSING	1													
						1	GARDNER CITY SEWER			2,600		0						1			
2101	22329	17100	15	1970	091	0	NIKE KANSAS CITY SITE 60	1													
						3	GROUND			5,360		100									
							OLATHE														
							DEFENSE														
							NAVY										39	1			
1701	22938	19714	15	4140	091	0	AIR STATION	1					20,000		0	100					
						2	NILES CREEK			287,000		100									
						3	GROUND			500		100									
							POST OFFICE														
							BUREAU OF FACILITIES											1			
1804	03385	14861	15	4140	091	0	POST OFFICE	1	1												
						1	OLATHE CITY SEWER			335		0									
							DEFENSE														
							ARMY											1			
2101	00000	19182	15	4140	091	0	KANSAS CITY BN HQ	1													
						1	NAVAL AIR STATION SEWER			10,000		0						1			
2101	00000	20803	15	4140	091	0	NIKE KC DA HOUSING	1													
						1	OLATHE CITY SEWER			5,200		0									

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL Agency or Bureau	GSA CONTROL Installation	GSA CONTROL Report Number	GEOGRAPHIC LOCATION State	GEOGRAPHIC LOCATION City	GEOGRAPHIC LOCATION County	Card No.	DESCRIPTION	Activity	Pop. Size	SEWAGE Volume Gallons per Day	SEWAGE Persons	SEWAGE Percent Treated	INDUSTRIAL WASTE Volume Gallons per Day	INDUSTRIAL WASTE Solids	INDUSTRIAL WASTE Percent Treated	INDUSTRIAL WASTE Percent Cooling	INDUSTRIAL ACTIVITY CODES	NOTIFICATION Type	NOTIFICATION Date No.	NOTIFICATION Date Day	NOTIFICATION Date Yr
							GENERAL SERVICES ADMIN														
4706	13128	12299	15	4140	091	0	POST OFFICE	1	1									1			
						1	OLATHE CITY SEWER			335		0									
							SPRING HILL														
							DEFENSE														
							ARMY														
2101	00000	20804	15	5200	091	0	NIKE KC DA HOUSING	1										1			
						3	GROUND			2,200		100									
		9					19 COUNTY TOTAL			314,010			20,000								
							KINGMAN CO														
							KINGMAN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03014	14848	15	2850	095	0	POST OFFICE	1	1									1			
						1	KINGMAN CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							LABETTE CO														
							OSWEGO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03115	14863	15	4250	099	0	POST OFFICE	1	1									1			
						1	OSWEGO CITY SEWER			100		0									
							PARSONS														
							DEFENSE														
							NAVY														
1701	24016	01510	15	4370	099	0	RES ELECTRONIC FACILITY	1										1			
						1	PARSONS MUNICIPAL SEWER			60		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03112	14866	15	4370	099	0	POST OFFICE	1	1									1			
						1	PARSONS CITY SEWER			1,596		0									
							DEFENSE														
							ARMY														
2101	20467	17112	15	4370	099	0	KANSAS ORD PLANT	1										1			
						2	LABETTE CREEK			203,000		100									
		4					8 COUNTY TOTAL			204,756											
							LEAVENWORTH CO														
							FORT LEAVENWORTH														
							DEFENSE														
							ARMY														
2101	20499	17110	15	1823	103	0	FORT LEAVENWORTH	1										1			
						2	MISSOURI RIVER			1,619,100		0									
						3	GROUND			7,000		0									
2101	21599	17098	15	1823	103	0	FT LEAVENWORTH NAT CEM	1										1			
						1	FT LEAVENWORTH SEWER			1,150		0									
							LEAVENWORTH														
							JUSTICE														
							FED PRISON IND INC														
1505	05982	08178	15	3020	103	0	FED PRISON INDUSTRIES	1	4									1			
						1	U S PENITENTIARY SEWER			13,380		0									
							BUREAU OF PRISONS														
1509	09120	00228	15	3020	103	0	U S PENITENTIARY	1	5									1			
						1	LEAVENWORTH CITY SEWER			566,000		0									
							DEFENSE														
							ARMY														
2101	00000	19181	15	3020	103	0	MIDWEST REL MICROWAVE STA	1										1			
						3	GROUND			560		100									
							GENERAL SERVICES ADMIN														
4706	12427	20328	15	3020	103	0	FEDERAL BUILDING	1	2									1			
						1	LEAVENWORTH CITY SEWER			743		0									
						3	GROUND			10		0									
							WADSWORTH														
							VETERANS ADMINISTRATION														
3601	10347	00053	15	5585	103	0	V A CENTER	1	6									1			
						1	LEAVENWORTH CITY SEWER			133,000		0									
						3	GROUND			100		100									
		7					17 COUNTY TOTAL			2,341,043											
							LYON CO														
							EMPORIA														
							DEFENSE														
							NAVY														
1701	24081	01502	15	1660	111	0	RES ELECTRONIC FACILITY	1										1			
						1	EMPORIA CITY SEWER			25		0									

KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO.	DAY	YR.
							GENERAL SERVICES ADMIN														
4706	13196	12298	15	1660	111	0	FEDERAL BUILDING	1	2									1			
						1	EMPORIA CITY SEWER			2,000		0	600		0	100					
							FEDERAL AVIATION AGENCY														
6901	00000	12988	15	1660	111	0	MUN AIRPORT NAV FAC	1	1									1			
						1	EMPORIA AIRPORT SEWER			300		0									
		3					6 COUNTY TOTAL			2,325			60"								
							MCPHERSON CO														
							LINDSBORG														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03009	14852	15	3210	113	0	POST OFFICE	1	1									1			
						1	LINDSBORG CITY SEWER			50		0									
							MCPHERSON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03007	14854	15	3430	113	0	POST OFFICE	1	1									1			
						1	MCPHERSON CITY SEWER			1,500		0									
							MARQUETTE														
							DEFENSE														
							CORPS OF ENG CIVIL														
							KANOPOLIS RESERVOIR														
9601	09704	17360	15	3550	113	0	KANOPOLIS RESERVOIR ADMN	1										1			
						3	GROUND			1,200		100									
9601	09704	17361	15	3550	113	0	KANOPOLIS RESERVOIR	1										1			
						3	GROUND			800		100									
						3	GROUND			250	P	0									
9601	09704	20386	15	3550	113	0	LANGLEY POINT	1										1			
						3	GROUND			100	P	0									
9601	09704	20387	15	3550	113	0	SPILLWAY BAY	1										1			
						3	GROUND			50	P	0									
9601	09704	20388	15	3550	113	0	OUTLET AREA	1										1			
						3	GROUND			500		100									
9601	09704	20389	15	3550	113	0	EAST SHORE	1										1			
						3	GROUND			800		100									
						3	GROUND			100	P	0									
9601	09704	20390	15	3550	113	0	VENANGO & PRIVATE CABINS	1										1			
						3	GROUND			600		100									
						3	GROUND			60	P	0									
9601	09704	20391	15	3550	113	0	YANKEE RUN-PRIV CABINS	1										1			
						3	GROUND			1,000		100									
						3	GROUND			50	P	0									
9601	09704	20392	15	3550	113	0	ADMIN-TOWNSITE AREA	1										1			
						3	GROUND			700		100									
		11					26 COUNTY TOTAL			7,150											
										610	P										
							MARION CO														
							MARION														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03005	14856	15	3540	115	0	POST OFFICE	1	1									1			
						1	MARION CITY SEWER			250		0									
		1					2 COUNTY TOTAL			250											
							MARSHALL CO														
							MARYSVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03004	14857	15	3560	117	0	POST OFFICE	1	1									1			
						1	MARYSVILLE CITY SEWER			130		0									
		1					2 COUNTY TOTAL			130											
							MIAMI CO														
							PAOLA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03113	14865	15	4320	121	0	POST OFFICE	1	1									1			
						1	PAOLA CITY SEWER			63		0									
		1					2 COUNTY TOTAL			63											
							MITCHELL CO														
							BELOIT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03228	14819	15	0440	123	0	POST OFFICE	1	1									1			
						1	BELOIT CITY SEWER			160		0									
		1					2 COUNTY TOTAL			160											

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DAY	YR
							MONTGOMERY CO														
							CHERRYVALE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03231	14823	15	0930	125	0	POST OFFICE	1	1									1			
						1	CHERRYVALE CITY SEWER			64		0									
							COFFEYVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03173	14825	15	1050	125	0	FEDERAL BUILDING	1	1									1			
						1	COFFEYVILLE CITY SEWER			154		0									
							INDEPENDENCE														
							DEFENSE														
							NAVY														
1701	84207	01505	15	2670	125	0	RES ELECTRONIC FACILITY	1										1			
						1	INDEPENDENCE CITY SEWER			100		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03018	14844	15	2670	125	0	POST OFFICE	1	2									1			
						1	INDEPENDENCE CITY SEWER			250		0									
							DEFENSE														
							ARMY														
2101	22037	17102	15	2670	125	0	USAR CENTER	1										1			
						1	INDEPENDENCE CITY SEW			348		0									
		5					10 COUNTY TOTAL			916											
							MORRIS CO														
							COUNCIL GROVE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03205	14828	15	1180	127	0	POST OFFICE	1	1									1			
						1	COUNCIL GROVE CITY SEWER			150		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	13658	20256	15	9999	127	0	COUNCIL GROVE RESERVOIR	1										1			
						3	GROUND			50P		0									
		2					4 COUNTY TOTAL			150											
										50P											
							MORTON CO														
							ELKHART														
							AGRICULTURE														
							FOREST SERVICE														
1226	07539	03999	15	1580	129	0	ELKHART FOREST SER OFF	1	1									1			
						3	GROUND			45		100									
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07539	03998	15	9999	129	0	CIMARRON RIV PICNIC GND	1	1									1			
						3	GROUND			20P		0									
		2					4 COUNTY TOTAL			45											
										20P											
							NEMAHA CO														
							SABETHA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03026	14870	15	4840	131	0	POST OFFICE	1	1									1			
						1	SABETHA CITY SEWER			100		0									
							SENECA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03596	14872	15	5030	131	0	POST OFFICE	1	1									1			
						1	SENECA CITY SEWER			285		0									
		2					4 COUNTY TOTAL			385											
							NEOSHO CO														
							CHANUTE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03232	14822	15	0870	133	0	POST OFFICE	1	1									1			
						1	CHANUTE CITY SEWER			200		0									

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KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							FEDERAL AVIATION AGENCY														
6901	11922	12986	15	0870	133	0	MUN AIRPORT NAV FAC	1	1									1			
						1	CHANUTE AIRPORT SEWER			225		0									
		2					4 COUNTY TOTAL			425											
							NORTON CO														
							NORTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03117	14860	15	4050	137	0	POST OFFICE	1	1									1			
						1	NORTON CITY SEWER			80		0									
		1					2 COUNTY TOTAL			80											
							OSAGE CO														
							OSAGE CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03116	14862	15	4210	139	0	POST OFFICE	1	1									1			
						1	OSAGE CITY SEWER			1,500		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORP OF ENG CIVIL														
9601	13524	17363	15	9999	139	0	POMONA RESERVOIR ADMN	1										1			
						3	GROUND			500		100									
						3	GROUND			90	P	0									
		2					5 COUNTY TOTAL			2,000											
										90	P										
							PAWNEE CO														
							LARNED														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03013	14849	15	2980	145	0	POST OFFICE	1	1									1			
						1	LARNED CITY SEWER			170		0									
		1					2 COUNTY TOTAL			170											
							PHILLIPS CO														
							KIRWIN														
							INTERIOR														
							FISH AND WILDLIFE SERV														
							KIRWIN W L MGMT AREA														
1413	11323	09777	15	2880	147	0	HEADQUARTERS AREA	1	1									1			
						3	GROUND			200		0									
1413	11323	09778	15	2880	147	0	GLENN CONCESSION AREA	2	2									1			
						3	GROUND			100	P	0									
1413	11323	09779	15	2880	147	0	CRAPPIE POINT	1	1									1			
						3	GROUND			25	P	0									
1413	11323	09780	15	2880	147	0	GRAYS PARK	1	1									1			
						3	GROUND			25	P	0									
1413	11323	09781	15	2880	147	0	ROCKY FLATS-KNOB HILL	1	1									1			
						3	GROUND			15	P	0									
							BUR OF RECLAMATION														
1417	06969	10415	15	2880	147	0	KIRWIN DAM RES & SHOP	1	1									1			
						3	GROUND			100		100									
		6					12 COUNTY TOTAL			300											
										165	P										
							PRATT CO														
							PRATT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03110	14868	15	4550	151	0	POST OFFICE	1	1									1			
						1	PRATT CITY SEWER			600		0									
		1					2 COUNTY TOTAL			600											
							RENO CO														
							HUTCHINSON														
							DEFENSE														
							NAVY														
1701	23009	01545	15	2660	155	0	RESERVE TRAINING CENTER	1										1			
						1	HUTCHINSON CITY SEWER			471		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03019	14843	15	2660	155	0	POST OFFICE	1	3									1			
						1	HUTCHINSON CITY SEWER			9,300		0									
							DEFENSE														
							AIR FORCE														
5701	24244	09044	15	2660	155	0	HUTCHINSON AF STATION	1										1			
						1	KANSAS ANG STA SEWER			20,000		0									

KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			NO.	DAY	YR
							FEDERAL AVIATION AGENCY														
6901	43470	12992	15	2660	155	0	HUTCHINSON AIR AD BLDG	1	1									1			
						1	HUTCHINSON AIRPT SEWER			450		0									
		4					8 COUNTY TOTAL			30,221											
							REPUBLIC CO														
							BELLEVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03227	14818	15	0430	157	0	POST OFFICE	1	1									1			
						1	BELLEVILLE CITY SEWER			230		0									
							COURTLAND														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06969	10413	15	1190	157	0	BOSWICK IRRIG DIST OFF	2	1									1			
						1	COURTLAND CITY SEWER			100		0									
		2					4 COUNTY TOTAL			330											
							RICE CO														
							LYONS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03008	14853	15	3370	159	0	POST OFFICE	1	1									1			
						1	LYONS CITY SEWER			240		0									
		1					2 COUNTY TOTAL			240											
							RILEY CO														
							MANHATTAN														
							AGRICULTURE														
							AGR MARKETING SERVICE														
1211	33804	09247	15	3490	161	0	MARKETING QUAL RES LAB	1	1									1			
						1	MANHATTAN CITY SEWER			225		0									
							SOIL CONSERVATION SER														
1229	07454	09271	15	3490	161	0	SOIL CONSER SER NURSERY	1	1									1			
						3	GROUND			500		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03006	14855	15	3490	161	0	POST OFFICE	1	2									1			
						1	MANHATTAN CITY SEWER			900		0									
							DEFENSE														
							ARMY														
2101	80547	17111	15	3490	161	0	USAR CENTER	1										1			
						1	MANHATTAN CITY SEWER			198		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12994	15	3490	161	0	MUN AIRPORT NAV FAC	1	1									1			
						1	MANHATTAN AIRPORT SEWER			175		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
							TUTTLE CREEK DAM														
9601	09705	17358	15	3490	161	0	TUTTLE CPEEK RESERVOIR	1										1			
						3	GROUND			45P		0									
9601	09705	17359	15	3490	161	0	TUTTLE CREEK RESVR ADMN	1										1			
						3	GROUND			750		100									
						3	GROUND			15P		0									
9601	09705	20376	15	3490	161	0	LEVEE-BLUE RAPIDS	1										1			
						3	GROUND			35P		0									
9601	09705	20377	15	3490	161	0	OAK CANYON	1										1			
						3	GROUND			160		100									
9601	09705	20378	15	3490	161	0	VERMILLION RIVER	1										1			
						3	GROUND			40P		0									
9601	09705	20379	15	3490	161	0	CARNAHAN CREEK	1										1			
						3	GROUND			60P		0									
9601	09705	20380	15	3490	161	0	MILL CREEK	1										1			
						3	GROUND			12P		0									
9601	09705	20381	15	3490	161	0	SWIMMING BEACH	1										1			
						3	GROUND			1,200		100									
9601	09705	20382	15	3490	161	0	LEFT BANK	1										1			
						3	GROUND			40		100									
9601	09705	20383	15	3490	161	0	RIGHT BANK	1										1			
						3	GROUND			400		100									
9601	09705	20384	15	3490	161	0	SPILLWAY PARK	1										1			
						3	GROUND			60P		0									
9601	09705	20385	15	3490	161	0	ADMIN-OVERLOOK AREAS	1										1			
						3	GROUND			750		100									
						3	GROUND			45P		0									
		17					36 COUNTY TOTAL			5,298 312P											

GSA FORM 745C
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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							ROOKS CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06969	10417	15	9999	163	0	WEBSTER DAM RES	1	1									1			
						3	GROUND			200		100									
		1					2 COUNTY TOTAL			200											
							RUSH CO														
							OTIS														
							INTERIOR														
							BUREAU OF MINES														
1404	06793	09326	15	4260	165	0	OTIS HELIUM PLANT	1	3								13	1			
						3	GROUND			15.800		100	41.100		0	100					
		1					2 COUNTY TOTAL			15.800			41.100								
							RUSSELL CO														
							RUSSELL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03109	14869	15	4820	167	0	POST OFFICE	1	1									1			
						1	RUSSELL CITY SEWER			400		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12995	15	4820	167	0	MUN AIRPORT NAV FAC	1	1									1			
						1	RUSSELL AIRPORT SEWER			225		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	17362	15	4820	167	0	WILSON RESERVOIR	1										1			
						3	GROUND			10	P	0									
		3					6 COUNTY TOTAL			625 10	 P										
							SALINE CO														
							SALINA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03296	14871	15	4900	169	0	POST OFFICE	1	3									1			
						1	SALINA CITY SEWER			1.965		0									
							DEFENSE														
							ARMY														
2101	21726	17113	15	4900	169	0	USAR CENTER	1										1			
						1	SALINA CITY SEWER			232		0									
							DEFENSE														
							AIR FORCE														
5701	24515	08949	15	4900	169	0	SCHILLING AF BASE	1									39	1			
						2	DRY CREEK			586.820		100	128.460		0	98					
5701	24518	11348	15	4900	169	0	MOKY HILL AF RNG OQ	1										1			
						3	GROUND			450		100									
5701	24519	11349	15	4900	169	0	SMOKY HILL AF RNG BOMB	1										1			
						3	GROUND			75		100									
							FEDERAL AVIATION AGENCY														
6901	00000	12996	15	4900	169	0	MUN AIRPORT NAV FAC	1	1									1			
						1	SALINA AIRPORT SEWER			300		0									
							HEALTH ED AND WELFARE														
							OFFICE OF EDUCATION														
7509	00000	08275	15	4900	169	0	SCHILLING A F BASE SCH	1	3									1			
						1	SCHILLING A F BASE SEWER			6.885		0									
		7					14 COUNTY TOTAL			596.727			128.450								
							SEDGWICK CO														
							WICHITA														
							DEFENSE														
							NAVY														
1701	24279	01579	15	5880	173	0	RESERVE TRAINING CTR	1													
						1	WICHITA CITY SEWER			200		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	01003	14876	15	5880	173	0	VEHICLE MAINT FACILITY	1	1									1			
						1	WICHITA CITY SEWER			343		0									
							DEFENSE														
							ARMY														
2101	20962	17115	15	5680	173	0	USAR CENTER	1										1			
						1	WICHITA CITY SEWER			1.466		0									
						4	TRANSFED TO OTHER USERS			1.200		0									
							VETERANS ADMINISTRATION														
3601	10352	00054	15	5880	173	0	V A CENTER	1	3									1			
						1	WICHITA CITY SEWER			50.000		0									

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							GENERAL SERVICES ADMIN														
4706	00000	12302	15	5880	173	0	INTERNAL REVENUE BLDG	1	3									1			
						1	WICHITA CITY SEWER			3,222		0									
4706	03157	20329	15	5880	173	0	POST OFF & COURTHOUSE	1	4									1			
						1	WICHITA CITY SEWER			5,836		0									
							DEFENSE														
							AIR FORCE														
5701	24140	08939	15	5880	173	0	MCCONNELL AF BASE	1									39	1			
						1	WICHITA CITY SEWER			220,000		0									
						2	BIG ARKANSAS RIVER						25,000		0	0					
						3	GROUND			250		100									
5701	24609	10106	15	5880	173	0	AIR FORCE PLANT #13	2									34	1			
						1	WICHITA CITY SEWER			350,000		0									
						2	ARKANSAS RIVER						400,000		100	5					
						2	ARKANSAS RIVER						1,500		100	0					
							FEDERAL AVIATION AGENCY														
6901	43475	12998	15	5680	173	0	WICHITA AIRPORT TR BLDG	1	1									1			
						1	WICHITA MUN AIRPT SEWER			975		0									
		9					23 COUNTY TOTAL			633,492			426,500								
							SEWARD CO														
							LIBERAL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03010	14851	15	3160	175	0	POST OFFICE	1	1									1			
						1	LIBERAL CITY SEWER			211		0									
		1					2 COUNTY TOTAL			211											
							SHAWNEE CO														
							FORBES AFB														
							DEFENSE														
							AIR FORCE														
5701	24043	09003	15	1805	177	0	FORBES AF BASE	1										1			
						2	SHUNGANUNGA CREEK			760,000		100									
							TOPEKA														
							DEFENSE														
							NAVY														
1701	24278	01577	15	5400	177	0	RESERVE TRAINING CENTER	1										1			
						1	TOPEKA CITY SEWER			250		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00465	14873	15	5400	177	0	POST OFFICE GARAGE	1	1									1			
						1	TOPEKA CITY SEWER			500		0									
1804	03138	14874	15	5400	177	0	NORTH TOPEKA STATION	1	1									1			
						1	TOPEKA CITY SEWER			150		0									
							DEFENSE														
							ARMY														
2101	20895	17114	15	5400	177	0	USAR CENTER	1										1			
						1	TOPEKA CITY SEWER			527		0									
							VETERANS ADMINISTRATION														
3601	10722	00052	15	5400	177	0	V A HOSPITAL	1	6									1			
						1	TOPEKA CITY SEWER			204,000		0									
							GENERAL SERVICES ADMIN														
4706	03137	12301	15	5400	177	0	POST OFF & COURTHOUSE	1	3									1			
						1	TOPEKA CITY SEWER			7,500		0									
							FEDERAL AVIATION AGENCY														
6901	12874	12997	15	5400	177	0	PHILLIP BILLARD AIRPT TWR	1	1									1			
						1	PHIL BILLARD AIRPT SEW			500		0									
		8					16 COUNTY TOTAL			973,427											
							SHERMAN CO														
							GOODLAND														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03239	14835	15	2110	181	0	POST OFFICE	1	1									1			
						1	GOODLAND CITY SEWER			150		0									
							FEDERAL AVIATION AGENCY														
6901	00000	12990	15	2110	181	0	MUN AIRPORT NAV FAC	1	1									1			
						1	GOODLAND AIRPORT SEWER			275		0									
		2					4 COUNTY TOTAL			425											
							SMITH CO														
							GAYLORD														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06969	10414	15	2010	183	0	KIRWIN WEBSTER OFF SHOP	2	1									1			
						1	GAYLORD CITY SEWER			150		0									
		1					2 COUNTY TOTAL			150											

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DAY	YR.
							STAFFORD CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	11329	09783	15	9999	185	0	QUIVIRA NAT WILDL REFUGE	1	1									1			
						3	GROUND			200		100									
		1					2 COUNTY TOTAL			200											
							SUMNER C														
							CALDWELL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03230	14821	15	0760	191	0	POST OFFICE	1	1									1			
						1	CALDWELL CITY SEWER			344		0									
							WELLINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03139	14875	15	5730	191	0	POST OFFICE	1	1									1			
						1	WELLINGTON CITY SEWER			150		0									
		2					4 COUNTY TOTAL			494											
							TREGO CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	13163	09782	15	9999	195	0	CEDAR BLUFF N FISH HAT	1	1								39	1			
						2	SMOKEY HILL RIVER						2,500,000		0	0					
						3	GROUND			500		0									
							BUR OF RECLAMATION														
1417	06969	10418	15	9999	195	0	CEDAR BLUFF DAM RES	1	1									1			
						3	GROUND			100		100									
		2					5 COUNTY TOTAL			600			2,500,000								
							WILSON CO														
							FREDONIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03211	14833	15	1870	205	0	POST OFFICE	1	1									1			
						1	FREDONIA CITY SEWER			266		0									
							NEODESHA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03003	14858	15	3930	205	0	POST OFFICE	1	1									1			
						1	NEODESHA CITY SEWER			100		0									
		2					4 COUNTY TOTAL			366											
							WOODSON CO														
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							TORONTO DAM & RESERVOIR														
9601	10678	20043	15	9999	207	0	WOODSON COVE AREA	2										1			
						3	GROUND			60	P	0									
9601	10678	20044	15	9999	207	0	TORONTO POINT	2										1			
						3	GROUND			80	P	0									
9601	10678	20045	15	9999	207	0	DAMSITE AREA	1										1			
						3	GROUND			40	P	0									
						3	GROUND			600		100									
9601	10678	20046	15	9959	207	0	HOLIDAY HILL AREA	2										1			
						3	GROUND			50	P	0									
		4					9 COUNTY TOTAL			600 230	 P										
							WYANDOTTE CO														
							KANSAS CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00889	14847	15	2820	209	0	POST OFFICE & GARAGE FAC	1	3									1			
						1	KANSAS CITY SEWER			12,240		0									
							DEFENSE														
							ARMY														
2101	20464	17107	15	2820	209	0	USAR CENTER	1										1			
						1	KANSAS CITY SEWER			433		0									
							GENERAL SERVICES ADMIN														
4706	03421	20327	15	2820	209	0	FEDERAL BUILDING	1	3									1			
						1	KANSAS CITY SEWER			1,400		0									

KANSAS

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
4706	41498	20326	15	2820	209	0	COMMUNICABLE DISEASE CTR	1	1									1			
						1	KANSAS CITY SEWER			900		0									
							FEDERAL AVIATION AGENCY														
6901	43471	12993	15	2820	209	0	FAIRFAX AIRPORT ADM BLDG	1	1									1			
						1	FAIRFAX AIRPORT SEWER			150		0									
		5					10 COUNTY TOTAL			15,123											
		196					419 STATE TOTAL			20,626,250			3,254,865								
										2,557	P										

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							MISSOURI														
							ADAIR CO														
							KIRKSVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03178	15562	24	4230	001	0	POST OFFICE	1	1									1			
						1	KIRKSVILLE CITY SEWER			310		0									
							FEDERAL AVIATION AGENCY														
6901	43554	13029	24	4230	001	0	MUN AIRPORT NAV FAC	1	1									1			
						1	KIRKSVILLE AIRPORT SEWER			275		0									
							SUBLETTE														
							DEFENSE														
							AIR FORCE														
5701	24212	10960	24	7605	001	0	KIRKSVILLE AF STA	1										1			
						2	CHARITON RIVER			49,400		100									
						3	GROUND			4,200		100									
		3					7 COUNTY TOTAL			54,185											
							ANDREW CO														
							SAVANNAH														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03067	15594	24	7180	003	0	POST OFFICE	1	1									1			
						1	SAVANNAH CITY SEWER			1,350		0									
		1					2 COUNTY TOTAL			1,350											
							AUDRAIN CO														
							MEXICO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03101	15575	24	5170	007	0	POST OFFICE	1	1									1			
						1	MEXICO CITY SEWER			170		0									
							VANDALIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03092	15600	24	7960	007	0	POST OFFICE	1	1									1			
						1	VANDALIA MUN SEWER			100		0									
		2					4 COUNTY TOTAL			270											
							BARRY CO														
							CASSVILLE														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06403	24	1460	009	0	CASSVILLE ADMIN SITE	1	1									1			
						3	GROUND			100		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03290	15539	24	1460	009	0	POST OFFICE	1	1									1			
						1	CASSVILLE CITY SEWER			2,000		0									
							MONETT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03103	15576	24	5310	009	0	POST OFFICE	1	1									1			
						1	MONETT CITY SEWER			100		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							TABLE ROCK RESERVOIR														
9601	09568	18846	24	9999	009	0	EUREKA SPRGS BOAT DOCK	2										1			
						3	GROUND			150P		0									
9601	09568	19536	24	9999	009	0	VINEY CREEK AREA	1										1			
						3	GROUND			30P		0									
9601	09568	19537	24	9999	009	0	MONETT BIG M BOAT DOCK	2										1			
						3	GROUND			45P		0									
9601	09568	19538	24	9999	009	0	BERRYVILLE VIOLA BOAT DOCK	2										1			
						3	GROUND			95P		0									
		7					14 COUNTY TOTAL			2,200 320P											
							BARTON CO														
							LAMAR														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03179	15563	24	4340	011	0	POST OFFICE	1	1									1			
						1	LAMAR CITY SEWER			150		0									
		1					2 COUNTY TOTAL			150											

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL Agency or Bureau	GSA CONTROL Installation	GSA CONTROL Report Number	GEOGRAPHIC LOCATION State	GEOGRAPHIC LOCATION City	GEOGRAPHIC LOCATION County	Card No.	DESCRIPTION	Activity	Pop. Size	SEWAGE Volume Gallons per Day	SEWAGE Persons	SEWAGE Percent Treated	INDUSTRIAL WASTE Volume Gallons per Day	INDUSTRIAL WASTE Solids	INDUSTRIAL WASTE Percent Treated	INDUSTRIAL WASTE Percent Cooling	INDUSTRIAL ACTIVITY CODES	NOTIFICATION Type	NOTIFICATION Date Mo	NOTIFICATION Date Day	NOTIFICATION Date Yr
							BATES CO														
							BUTLER														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03278	15531	24	1220	013	0	POST OFFICE	1	1									1			
						1	BUTLER CITY SEWER			200		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13024	24	1220	013	0	BUTLER AIRPORT NAV FAC	1	1									1			
						1	BUTLER AIRPORT SEWER			50		0									
		2					4 COUNTY TOTAL			250											
							BOONE CO														
							CENTRALIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03291	15540	24	1520	019	0	POST OFFICE	1	1									1			
						1	CENTRALIA CITY SEWER			115		0									
							COLUMBIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03451	20282	24	1800	019	0	POST OFFICE	1	3									1			
						1	COLUMBIA CITY SEWER			1,120		0									
							FEDERAL AVIATION AGENCY														
6901	11932	13026	24	1800	019	0	FLIGHT SER STA OLD RT 40	1	1									1			
						1	COLUMBIA CITY SEWER			325		0									
		3					6 COUNTY TOTAL			1,560											
							BUCHANAN CO														
							ST JOSEPH														
							DEFENSE														
							NAVY														
1701	23056	01567	24	7070	021	0	RESERVE TRAINING CENTER	1										1			
						1	ST JOSEPH SEWER			450		0									
							DEFENSE														
							ARMY														
2101	20772	17652	24	7070	021	0	HG FAC ROSECRANS AFLD	2										1			
						1	ST JOSEPH CITY SEWER			3,500		0									
2101	21592	17651	24	7070	021	0	USAR CENTER	1										1			
						1	ST JOSEPH CITY SEWER			476		0									
							GENERAL SERVICES ADMIN														
4706	03366	12327	24	7070	021	0	POST OFF & COURTHOUSE	1	3									1			
						1	ST JOSEPH CITY SEWER			2,349		0									
							FEDERAL AVIATION AGENCY														
6901	43544	13034	24	7070	021	0	ROSECRANS MEM AIRPT TWR	1	1									1			
						1	ROSECRANS MEM AIRPT SEW			550		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18842	24	7070	021	0	ST JOSEPH AREA OFFICE	1										1			
						1	ST JOSEPH CITY SEWER			200		0									
		6					12 COUNTY TOTAL			7,525											
							BUTLER CO														
							POPLAR BLUFF														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06506	24	6410	023	0	POPLAR BLUFF RANGER STA	1	1									1			
						1	POPLAR BLUFF CITY SEWER			450		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03088	15585	24	6410	023	0	POST OFFICE	1	1									1			
						1	POPLAR BLUFF CITY SEWER			100		0									
							VETERANS ADMINISTRATION														
3601	10320	00085	24	6410	023	0	V A HOSPITAL	1	3									1			
						1	POPLAR BLUFF CITY SEWER			36,000		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09890	20463	24	9999	023	0	MOORES POINT-BOY SCOUTS	2										1			
						3	GROUND			10P		0									
		4					8 COUNTY TOTAL			36,550 10P											
							CALLAWAY CO														
							FULTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03304	20284	24	2960	027	0	POST OFFICE	1	1									1			
						1	FULTON CITY SEWER			500		0									
		1					2 COUNTY TOTAL			500											

GSA FORM [illegible]
MARCH [illegible]

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							CAPE GIRAPDEAU CO														
							CAPE GIRARDEAU														
							DEFENSE														
							NAVY														
1701	22975	01521	24	1390	031	0	RESERVE TRAINING CENTER	1										1			
						3	GROUND			400		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03365	15535	24	1390	031	0	POST OFF & COURTHOUSE	1	1									1			
						1	CAPE GIRARDEAU MUN SEW			600		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13025	24	1390	031	0	CAPE GIRARDEAU AD BLDG	1	1									1			
						1	CAPE GIRARDEAU AIR SEWER			200		0									
							JACKSON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03308	15557	24	3980	031	0	POST OFFICE	1	1									1			
						1	JACKSON CITY SEWER			200		0									
		4					8 COUNTY TOTAL			1,400											
							CARROLL CO														
							CARROLLTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03287	15536	24	1420	033	0	POST OFFICE	1	1									1			
						1	CARROLLTON TOWN SEWER			400		0									
		1					2 COUNTY TOTAL			400											
							CARTER CO														
							VANBUREN														
							AGRICULTURE														
							FOREST SERVICE														
							MISSOURI NAT FOREST														
1226	07767	06503	24	7950	035	0	VAN BUREN RANGER STA	1	1									1			
						3	GROUND			850		100									
1226	07767	06515	24	7950	035	0	HAWES MEMORIAL CAMP GND	1	1									1			
						3	GROUND			20P		0									
1226	07767	06516	24	7950	035	0	FREMONT PICNIC GROUND	1	1									1			
						3	GROUND			14P		0									
		3					6 COUNTY TOTAL			850 34P											
							CASS CO														
							BELTON														
							DEFENSE														
							ARMY														
2101	00000	20611	24	0600	037	0	NIKE KC DEF AREA HSG	1										1			
						1	BELTON CITY SEWER			200		0									
							HARRISONVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03306	15554	24	3°10	.37	0	POST OFFICE	1	1									1			
						1	HARRISONVILLE CITY SEW			100		0									
							PLEASANT HILL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03087	15584	24	6360	037	0	POST OFFICE	1	1									1			
						1	PLEASANT HILL CITY SEW			200		0									
							DEFENSE														
							ARMY														
2101	00000	20627	24	6360	037	0	NIKE KC DEF AREA-HSG	1										1			
						1	PLEASANT HILL CITY SEWER			4,400		0									
2101	22331	17648	24	6360	037	0	NIKE KANSAS CITY SITE 30	1										1			
						3	GROUND			6,040		100									
		5					10 COUNTY TOTAL			10,940											
							CEDAR CO														
							EL DORADO SPGS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03298	15548	24	2440	039	0	POST OFFICE	1	1									1			
						1	EL DORADO SPGS CITY SEW			125		0									
		1					2 COUNTY TOTAL			125											

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL LATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							CHARITON CO														
							SUMNER														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09305	09837	24	7650	041	0	SWAN LAKE NAT WILDL REF	1	1									1			
						3	GROUND			200		100									
						3	GROUND			400		100									
1413	09305	17710	24	7650	041	0	PUBLIC HUNTING AREA	2	1									1			
						3	GROUND			200		100									
		2					5 COUNTY TOTAL			800											
							CLAY CO														
							EXCELSIOR SPRINGS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03299	15549	24	2600	047	0	POST OFFICE	1	1									1			
						1	EXCELSIOR SPGS CITY SEW			150		0									
							VETERANS ADMINISTRATION														
3601	10267	00082	24	2600	047	0	V A HOSPITAL	1	3									1			
						1	EXCELSIOR SP CITY SEWER			32,000		0									
							KANSAS CITY														
							FEDERAL AVIATION AGENCY														
							NAVIGATION FACILITIES														
6901	43545	13036	24	4120	047	0	KANSAS CITY AIR AD BLDG	1	2									1			
						1	ARPT TO KANSAS CITY SEW			1,275		0									
6901	43545	13037	24	4120	047	0	KANSAS CITY AIR TR BLDG	1	2									1			
						1	ARPT TO KANSAS CITY SEW			1,325		0									
6901	43545	13038	24	4120	047	0	KC AIRPORT NEW TR BLDG	1	2									1			
						1	ARPT TO KANSAS CITY SEW			1,525		0									
							LIBERTY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03186	15568	24	4270	047	0	POST OFFICE	1	1									1			
						1	LIBERTY CITY SEWER			200		0									
		6					12 COUNTY TOTAL			36,475											
							CLINTON CO														
							CAMERON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03276	15533	24	1350	049	0	POST OFFICE	1	1									1			
						1	CAMERON CITY SEWER			111		0									
		1					2 COUNTY TOTAL			111											
							COLE CO														
							JEFFERSON CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03274	15558	24	4040	051	0	POST OFF & COURTHOUSE	1	3									1			
						1	JEFFERSON CITY SEWER			712		0									
							DEFENSE														
							ARMY														
2101	20453	17640	24	4040	051	0	JEFFERSON CITY NATL CEM	1										1			
						1	JEFFERSON CITY SEWER			100		0									
		2					4 COUNTY TOTAL			812											
							COOPER CO														
							BOONVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03281	15528	24	0900	053	0	POST OFFICE	1	1									1			
						1	BOONVILLE CITY SEWER			180		0									
		1					2 COUNTY TOTAL			180											
							DENT CO														
							SALEM														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06007	24	7130	065	0	SINKIN EXPER FOREST HQ	1	1									1			
						3	GROUND			80		100									
1226	07767	06409	24	7130	065	0	SALEM ADMIN SITE	1	1									1			
						1	SALEM CITY SEWER			550		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03067	20285	24	7130	065	0	POST OFFICE	1	1									1			
						1	SALEM CITY SEWER			440		0									
		3					6 COUNTY TOTAL			1,070											

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							DOUGLAS CO														
							AVA														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06402	24	0440	067	0	AVA ADMINISTRATIVE SITE	1	1									1			
						3	GROUND			200		100									
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06399	24	9999	067	0	NOBLETT RECREATION AREA	1	2									1			
						3	GROUND			1,000		100									
		2					4 COUNTY TOTAL			1,200											
							DUNKLIN CO														
							KENNETT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03177	15561	24	4150	069	0	POST OFFICE	1	1									1			
						1	KENNETT CITY SEWER			250		0									
							MALDEN														
							FEDERAL AVIATION AGENCY														
6901	00000	13030	24	4870	069	0	MUN AIRPORT NAV FAC	1	1									1			
						1	ARPT TO MALDEN SEWER			75		0									
		2					4 COUNTY TOTAL			325											
							FRANKLIN CO														
							CATAWISSA														
							DEFENSE														
							ARMY														
2101	80618	20838	24	1465	071	0	ST LOUIS DA HOUSING	1										1			
						3	GROUND			200		100									
							PACIFIC														
							DEFENSE														
							ARMY														
2101	21961	17647	24	6030	071	0	NIKE ST LOUIS SITE 60-A	1										1			
						2	MERAMEC RIVER			4,000		100									
2101	80618	20626	24	6030	071	0	ST LOUIS DEF AREA HSG	1										1			
						1	PACIFIC CITY SEWER			2,600		0									
							SULLIVAN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03061	20286	24	7630	071	0	POST OFFICE	1	1									1			
						3	GROUND			20		100									
							UNION														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03059	15597	24	7860	071	0	POST OFFICE	1	1									1			
						1	UNION CITY SEWER			180		0									
							WASHINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03090	15602	24	8150	071	0	POST OFFICE	1	1									1			
						1	WASHINGTON MUN SEWER			175		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18843	24	8150	071	0	WASHINGTON AREA OFFICE	1										1			
						2	MISSOURI RIVER			200		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							ARMY														
2101	80618	20629	24	9999	071	0	ST LOUIS DEF AREA HSG	1										1			
						3	GROUND			200		100									
2101	80618	20630	24	9999	071	0	ST LOUIS DEFENSE AREA	1										1			
						3	GROUND			200		100									
		9					18 COUNTY TOTAL			7,775											
							GASCONADE CO														
							GASCONADE														
							TREASURY														
							U S COAST GUARD														
2016	07992	08401	24	3020	073	0	CG DEPOT GASCONADE	1	1									1			
						2	MISSOURI RIVER			200		100									

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09887	18837	24	3020	073	0	GASCONADE BOAT YARD	1										1			
						2	MISSOURI RIVER			2,400		0									
9601	09887	18838	24	3020	073	0	PLANT BRANCH MO RIVER	1										1			
						2	MISSOURI RIVER			4,800		0									
		3					6 COUNTY TOTAL			7,400											
							GREENE CO														
							SPRINGFIELD														
							INTERIOR														
							SOUTHWESTERN POWER														
1419	06378	09236	24	7460	077	0	SPRINGFIELD SUBSTATION	1	1									1			
						3	GROUND			200		100									
							JUSTICE														
							FED PRISON IND INC														
1505	13708	08190	24	7460	077	0	FED PRISON INDUSTRIES	1	2									1			
						1	MED CEN FED PRISON SEW			900		0									
							BUREAU OF PRISONS														
1509	09129	00232	24	7460	077	0	MED CEN FED PRISONERS	1	5									1			
						1	SPRINGFIELD CITY SEWER			330,000		0									
							DEFENSE														
							NAVY														
1701	23068	01575	24	7460	077	0	RESERVE TRAINING CENTER	1										1			
						1	SPRINGFIELD CITY SEWER			698		0									
							DEFENSE														
							ARMY														
2101	20859	17662	24	7460	077	0	SPRINGFIELD NATL CEM	1										1			
						3	GROUND			150		100									
2101	21405	17663	24	7460	077	0	USAR CENTER	1										1			
						1	SPRINGFIELD CITY SEWER			406		0									
							GENERAL SERVICES ADMIN														
4706	03062	12333	24	7460	077	0	POST OFF & COURTHOUSE	1	3									1			
						1	SPRINGFIELD CITY SEWER			2,365		0									
4706	11172	12332	24	7460	077	0	FEDERAL DEPOT	1	1									1			
						1	SPRINGFIELD CITY SEWER			1,020		0									
							FEDERAL AVIATION AGENCY														
6901	43541	13033	24	7460	077	0	SPGFLD AIRPORT AD BLDG	1	1									1			
						1	SPGFLD AIRPORT SEWER			1,100		0									
		9					18 COUNTY TOTAL			336,839											
							GRUNDY CO														
							TRENTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03060	15596	24	7780	079	0	POST OFFICE	1	1									1			
						1	TRENTON MUN SEWER			275		0									
		1					2 COUNTY TOTAL			275											
							HARRISON CO														
							BETHANY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03282	15526	24	0680	081	0	POST OFFICE	1	1									1			
						1	BETHANY CITY SEWER			600		0									
							DEFENSE														
							ARMY														
2101	21890	17639	24	0680	081	0	USAR CENTER	1										1			
						1	BETHANY MUN SEWER			110		0									
		2					4 COUNTY TOTAL			710											
							HENRY CO														
							CLINTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03450	15544	24	1750	083	0	POST OFFICE	1	1									1			
						1	CLINTON CITY SEWER			1,000		0									
							WINDSOR														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	93035	15606	24	8430	083	0	POST OFFICE	1	1									1			
						1	WINDSOR CITY SEWER			115		0									
		2					4 COUNTY TOTAL			1,115											

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING	ACTIVITY CODES	TYPE	DATE MO	DAY	YR
							HICKORY CO														
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	12034	19855	24	9999	085	0	POMME DE TERRE RESERVOIR	1										1			
						3	GROUND			2,400		100									
						3	GROUND			30P		0									
		1					3 COUNTY TOTAL			2,400 30P											
							HOLT CO														
							MOUND CITY														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	C"278	09832	24	5460	087	0	SQUAW CREEK N WILDL REF	1	1									1			
						3	GROUND			12P		0									
						3	GROUND			600		100									
		1					3 COUNTY TOTAL			600 12P											
							HOWARD CO														
							FAYETTE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03301	20283	24	2680	089	0	POST OFFICE	1	1								[illegible]	1			
						1	FAYETTE CITY SEWER			100		0									
						2	BONNE FENNE CREEK						75		0	0					
							GLASGOW														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18839	24	3120	089	0	GLASGOW AREA OFFICE	1										1			
						2	MISSOURI RIVER			200		0									
		2					5 COUNTY TOTAL			300			75								
							HOWELL CO														
							WEST PLAINS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03036	15605	24	8330	091	0	POST OFFICE	1	1									1			
						1	WEST PLAINS CITY SEWER			200		0									
							WILLOW SPRINGS														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06397	24	8410	091	0	WILLOW SPGS ADM SITE	1	1									1			
						1	WILLOW SPR CITY SEWER			250		0									
		2					4 COUNTY TOTAL			450											
							JACKSON CO														
							GRANDVIEW														
							DEFENSE														
							ARMY														
2101	00000	20612	24	3280	095	0	NIKE KC DEF AREA-HSG	1										1			
						1	GRANDVIEW CITY SEWER			2,200		0									
							HICKMAN MILLS														
							DEFENSE														
							ARMY														
2101	00000	20613	24	3648	095	0	NIKE KC DEF AREA HSG	1										1			
						1	KANSAS CITY SEWER			600		0									
							INDEPENDENCE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	33369	15556	24	3940	095	0	POST OFFICE	1	3									1			
						1	INDEPENDENCE CITY SEWER			400		0									
							DEFENSE														
							ARMY														
2101	80619	20614	24	3940	095	0	NIKE KC DEF AREA-HSG	1										1			
						1	INDEPENDENCE CITY SEWER			200		0									
							GENERAL SERVICES ADMIN														
4706	03437	12318	24	3940	095	0	POST OFFICE	1	3									1			
						1	INDEPENDENCE CITY SEWER			450		0									
4706	12426	20330	24	3940	095	0	HARRY S TRUMAN LIBRARY	1	3									1			
						1	INDEPENDENCE CITY SEWER			29,035		0									
							KANSAS CITY														
							DEFENSE														
							NAVY														
1701	00000	01490	24	4120	095	0	RECRUITING STATION	1										1			
						1	KANSAS CITY SEWER			300		0									

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO	DAY	YR
1701	22916	01455	24	4120	095	0	IND RESERVE AIRCR PLANT	1										1			
						1	KANSAS CITY SEWER SYST			1,000		0									
1701	23019	01551	24	4120	095	0	RESERVE TRAINING CENTER	1										1			
						1	KANSAS CITY SEWER			1,280		0									
1701	84405	01476	24	4120	095	0	INSPECTOR NAV MATERIAL	1										1			
						1	KANSAS CITY SEWER			500		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	01332	15560	24	4120	095	0	VEHICLE MAINT FACILITY	1	3								39	1			
						1	KANSAS CITY SEWER			3,000		0	9,000		0	0					
							DEFENSE														
							ARMY														
2101	00000	20615	24	4120	095	0	NIKE KC DEF AREA HSG	1										1			
						3	GROUND			200		100									
2101	00000	20616	24	4120	095	0	NIKE KC DEF AREA HSG	1										1			
						1	KANSAS CITY SEWER			200		0									
2101	00000	20617	24	4120	095	0	NIKE-KC-DEF AREA-HSG	1										1			
						1	KANSAS CITY SEWER			1,200		0									
2101	00000	20618	24	4120	095	0	NIKE KC DEF AREA-HSG	1										1			
						3	GROUND			400		100									
2101	00000	20619	24	4120	095	0	NIKE KC DEF AREA HSG	1										1			
						1	KANSAS CITY SEWER			200		0									
2101	00000	20620	24	4120	095	0	NIKE KC DEF AREA HSG	1										1			
						1	KANSAS CITY SEWER			200		0									
2101	00000	20621	24	4120	095	0	NIKE KC DEF AREA HSG	1										1			
						1	KANSAS CITY SEWER			200		0									
2101	00000	20622	24	4120	095	0	NIKE KC DEF AREA-HSG	1										1			
						1	KANSAS CITY SEWER			200		0									
2101	00000	20623	24	4120	095	0	NIKE KC DEF AREA-HSG	1										1			
						1	KANSAS CITY SEWER			600		0									
2101	20463	17642	24	4120	095	0	USAR CENTER	1										1			
						1	KANSAS CITY SEWER			524		0									
							VETERANS ADMINISTRATION														
3601	10292	00084	24	4120	095	0	V A HOSPITAL	1	4									1			
						1	KANSAS CITY SEWER			115,000		0									
							GENERAL SERVICES ADMIN														
4706	03427	12319	24	4120	095	0	FEDERAL COURTS BUILDING	1	5									1			
						1	KANSAS CITY SEWER			27,000		0									
4706	03443	12320	24	4120	095	0	FEDERAL OFFICE BUILDING	1	5									1			
						1	KANSAS CITY SEWER			30,591		0									
4706	11171	12321	24	4120	095	0	G S A BUILDING	1	3									1			
						1	KANSAS CITY SEWER			8,910		0									
4706	20466	12322	24	4120	095	0	601 HARDESTY AVENUE	1	5									1			
						1	KANSAS CITY SEWER			70,194		0									
							ATOMIC ENERGY COMM														
8901	10524	01801	24	4120	095	0	BENDIX PLANT	1	T								39	2	05	17	60
						2	INDIAN CREEK						954,000		0	2					
8901	10524	01806	24	4120	095	0	BENDIX PLANT	1	T									1			
						1	KANSAS CITY SEWER			140,000		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18840	24	4120	095	0	RADIO REPAIR & MAINT	1										1			
						1	KANSAS CITY SEWER			30		0									
							LEES SUMMIT														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03124	15566	24	4490	095	0	POST OFFICE	1	1									1			
						1	LEES SUMMIT CITY SEWER			200		0									
							DEFENSE														
							ARMY														
2101	00000	20625	24	4490	095	0	NIKE KC DEF AREA HSG	1										1			
						1	LEES SUMMIT CITY SEWER			200		0									
							RAYTOWN														
							DEFENSE														
							ARMY														
2101	00000	17649	24	6639	095	0	JACKSON CO RIFLE RANGE	1										1			
						3	GROUND			450		100									
2101	00000	20628	24	6639	095	0	NIKE KC DEF AREA-HSG	1										1			
						1	RAYTOWN CITY SEWER			600		0									
							RICHARDS GEBAUR AFB														
							DEFENSE														
							AIR FORCE														
5701	24292	10961	24	6745	095	0	RICHARDS-GEBAUR AF BASE	1										1			
						2	TRIB LITTLE BLUE RIVER			350,000		100	5,700		0	100					
						3	GROUND			1,800		100									
		34					69 COUNTY TOTAL			787,864			968,700								

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL: AGENCY OR BUREAU	GSA CONTROL: INSTALLATION	GSA CONTROL: REPORT NUMBER	GEOGRAPHIC LOCATION: STATE	GEOGRAPHIC LOCATION: CITY	GEOGRAPHIC LOCATION: COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE: VOLUME GALLONS PER DAY	SEWAGE: PERSONS	SEWAGE: PERCENT TREATED	INDUSTRIAL WASTE: VOLUME GALLONS PER DAY	INDUSTRIAL WASTE: SOLIDS	INDUSTRIAL WASTE: PERCENT TREATED	INDUSTRIAL WASTE: PERCENT COOLING	INDUSTRIAL ACTIVITY CODES	NOTIFICATION: TYPE	NOTIFICATION: DATE MO.	NOTIFICATION: DATE DAY	NOTIFICATION: DATE YR.
							JASPER CO														
							CARTHAGE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03288	15537	24	1440	097	0	POST OFFICE	1	1									1			
						1	CARTHAGE MUN SEWER			340		0									
							JOPLIN														
							DEFENSE														
							NAVY														
1701	23016	01549	24	4100	097	0	RESERVE TRAINING CENTER	1										1			
						1	JOPLIN CITY SEWER			500		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03273	15559	24	4100	097	0	POST OFF & COURTHOUSE	1	2									1			
						1	JOPLIN CITY SEWER			475		0									
							DEFENSE														
							ARMY														
2101	21415	17641	24	4100	097	0	USAR CENTER	1										1			
						1	JOPLIN CITY SEWER			270		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13028	24	4100	097	0	JOPLIN AIRPORT AD BLDG	1	1									1			
						1	JOPLIN AIRPORT SEWER			375		0									
							WEBB CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03089	15603	24	8220	097	0	POST OFFICE	1	1									1			
						1	WEBB CITY SEWER			154		0									
		6					12 COUNTY TOTAL			2,114											
							JEFFERSON CO														
							DE SOTO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03452	15545	24	2200	099	0	POST OFFICE	1	1									1			
						1	DE SOTO CITY SEWER			40		0									
							FESTUS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03302	15551	24	2720	099	0	POST OFFICE	1	1									1			
						1	FESTUS CITY SEWER			750		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							ARMY														
2101	21961	17665	24	9999	099	0	NIKE ST L SITE 60	1										1			
						2	MERAMEC RIVER			2,000		100									
		3					6 COUNTY TOTAL			2,790											
							JOHNSON CO														
							WARRENSBURG														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03091	15601	24	8110	101	0	POST OFFICE	1	1									1			
						1	WARRENSBURG MUN SEWER			30		0									
							DEFENSE														
							AIR FORCE														
5701	24549	09000	24	8110	101	0	WHITEMAN AF BASE MISSOURI	1										1			
						2	CLEAR FORK CREEK			400,000		100									
						3	GROUND			25,000		100									
		2					5 COUNTY TOTAL			425,030											
							LACLEDE CO														
							LEBANON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03095	15565	24	4480	105	0	POST OFFICE	1	1									1			
						1	LEBANON CITY SEWER			210		0									
		1					2 COUNTY TOTAL			210											
							LAFAYETTE CO														
							HIGGINSVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03307	15555	24	3660	107	0	POST OFFICE	1	1									1			
						1	HIGGINSVILLE CITY SEWER			100		0									

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION				DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.				VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							LEXINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	02998	15567	24	4550	107	0	POST OFFICE	1	1									1			
						1	LEXINGTON MUN SEWER			100		0									
							NAPOLEON														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	12547	18841	24	5530	107	0	NAPOLEON AREA OFFICE	1										1			
						2	MISSOURI RIVER			200		0									
							WAVERLY														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	12544	18844	24	8170	107	0	WAVERLY PILE YARD	1										1			
						3	GROUND			1P		0									
		4					8 COUNTY TOTAL			400 1P											
							LAWRENCE CO														
							AURORA														
							DEFENSE														
							NAVY														
1701	84342	01498	24	0420	109	0	RESERVE ELECTRONICS FAC	1										1			
						1	AURORA CITY SEWER			300		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03283	15525	24	0420	109	0	POST OFFICE	1	1									1			
						1	AURORA CITY SEWER			100		0									
							MOUNT VERNON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03105	15578	24	5520	109	0	POST OFFICE	1	1									1			
						1	MT VERNON CITY SEWER			2,000		0									
		3					6 COUNTY TOTAL			2,400											
							LEWIS CO														
							CANTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03275	15534	24	1380	111	0	POST OFFICE	1	1									[illegible]			
						1	CANTON TOWN SEWER			100		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09881	18835	24	1380	111	0	MISS RIV LOCK & DAM #20	1										1			
						2	MISSISSIPPI RIVER			330		0	100		0	100					
						3	GROUND			410		100									
		2					5 COUNTY TOTAL			840			100								
							LINCOLN CO														
							ELSBERRY														
							AGRICULTURE														
							SOIL CONSERVATION SER														
1229	07455	09273	24	2520	113	0	SOIL CONSER SER NURSERY	1	1									1			
						3	GROUND			350		100									
							WINFIELD														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09885	18845	24	8440	113	0	MISS RIV LOCK & DAM #25	1										1			
						2	MISSISSIPPI RIVER			1,000		100									
						3	GROUND			50P		0									
		2					5 COUNTY TOTAL			1,350 50P											
							LINN CO														
							BROOKFIELD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03280	15530	24	1090	115	0	POST OFFICE	1	1									1			
						1	BROOKFIELD CITY SEWER			91		0									
							MARCELINE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03183	15572	24	4920	115	0	POST OFFICE	1	1									1			
						1	MARCELINE CITY SEWER			100		0									
		2					4 COUNTY TOTAL			191											

GSA FORM 740C
MARCH 1961

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							LIVINGSTON CO														
							CHILLICOTHE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03293	15542	24	1590	117	0	POST OFF & COURTHOUSE	1	1									1			
						1	CHILLICOTHE MUN SEWER			600		0									
		1					2 COUNTY TOTAL			600											
							MACON CO														
							LA PLATA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03285	15564	24	4390	121	0	POST OFFICE	1	1									1			
						1	LA PLATA CITY SEWER			230		0									
							MACON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03180	15570	24	4840	121	0	POST OFFICE	1	1								33	1			
						1	MACON CITY SEWER			225		0	25		0	0					
		2					4 COUNTY TOTAL			455			25								
							MADISON CO														
							FREDERICKTOWN														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06406	24	2890	123	0	FREDERICKTOWN ADM SITE	1	1									1			
						3	GROUND			150		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03303	15552	24	2890	123	0	POST OFFICE	1	1									1			
						1	FREDERICKTOWN CITY SEW			85		0									
		2					4 COUNTY TOTAL			235											
							MARIES CO														
							VICHY														
							FEDERAL AVIATION AGENCY														
6901	00000	13035	24	8025	125	0	VICHY LAND FLD NAV FAC	1	1									1			
						1	VICHY LANDING FLD SEWER			300		0									
		1					2 COUNTY TOTAL			300											
							MARION CO														
							HANNIBAL														
							DEFENSE														
							NAVY														
1701	23008	01544	24	3470	127	0	RESERVE TRAINING CENTER	1										1			
						1	HANNIBAL P W SEWER			500		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03305	15553	24	3470	127	0	POST OFF & COURTHOUSE	1	2									1			
						1	HANNIBAL CITY SEWER			3,000		0									
							PALMYRA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03107	15581	24	6050	127	0	POST OFFICE	1	1									1			
						1	PALMYRA CITY SEWER			133		0									
		3					6 COUNTY TOTAL			3,633											
							MILLER CO														
							ELDON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03454	15547	24	2430	131	0	POST OFFICE	1	1									1			
						1	ELDON CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							MISSISSIPPI CO														
							CHARLESTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03292	15541	24	1560	133	0	POST OFFICE	1	1									1			
						1	CHARLESTON CITY SEWER			233		0									
		1					2 COUNTY TOTAL			233											

GSA FORM [illegible]
MARCH [illegible]

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							MONITEAU CO														
							CALIFORNIA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03277	15532	24	1280	135	0	POST OFFICE		1									1			
						1	CALIFORNIA MUN SEWER			150		0									
		1					2 COUNTY TOTAL			150											
							MONROE CO														
							PARIS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03108	15582	24	6070	137	0	POST OFF & AGRICUL	1	1									1			
						1	PARIS CITY SEWER			252		0									
		1					2 COUNTY TOTAL			252											
							NEWTON CO														
							DIAMOND														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07076	11728	24	2240	145	0	GEO WASH CARVER NM	1	1									1			
						3	GROUND			600		100									
1414	07076	11729	24	2240	145	0	G W CARVER VISIT CENTR	1	3									1			
						3	GROUND			3,000		100									
							NEOSHO														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09135	09831	24	5580	145	0	NEOSHO NATL FISH HAT	1	1								39	1			
						1	NEOSHO CITY SEWER			300		0									
						2	HAERRELLS BRANCH						1,300,000		0	0					
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03106	15579	24	5580	145	0	POST OFFICE	1	1									1			
						1	NEOSHO CITY SEWER			150		0									
							DEFENSE														
							ARMY														
2101	20239	17644	24	5580	145	0	FORT CROWDER	1									34	1			
						2	BUFFALO CREEK			280,000		100	198,000		100	0					
							DEFENSE														
							AIR FORCE														
							ROCKETDYNE AF PLANT #65														
5701	25099	10118	24	5580	145	0	ROCKET ENGINE TEST SITE	1									39	1			
						3	GROUND			12,000		100	95,000		100	31					
5701	25099	10119	24	5580	145	0	ROCKET ENG MFG PLANT	1									39	1			
						1	FT CROWDER SEWER			214,000		0	7,000		100	0					
						3	GROUND						10,000		100	5					
		7					16 COUNTY TOTAL			510,050			1,610,000								
							NODAWAY CO														
							MARYVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03181	15574	24	5040	147	0	POST OFFICE	1	1									1			
						1	MARYVILLE CITY SEWER			180		0									
		1					2 COUNTY TOTAL			180											
							OZARK CO														
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06400	24	9999	153	0	HAMMOND ORG CAMP	1	2									1			
						3	GROUND			400		100									
							DEFENSE														
							CORPS OF ENG CIVIL														
							BULL SHOALS DAM & RES														
9601	10543	18847	24	9999	153	0	PONTIAC AREA	1										1			
						3	GROUND			170	P	0									
9601	10543	18848	24	9999	153	0	THEODOSIA AREA	1										1			
						3	GROUND			180	P	0									
9601	10543	19541	24	9999	153	0	SPRING CREEK AREA	1										1			
						3	GROUND			70	P	0									
							NORFORK DAM & RES														
9601	10544	19539	24	9999	153	0	TECUMSEH AREA	1										1			
						3	GROUND			60	P	0									
9601	10544	19540	24	9999	153	0	UDALL AREA	1										1			
						3	GROUND			27	P	0									
		6					12 COUNTY TOTAL			400 507	 P										

GSA FORM 746C
MARCH 1961

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,196

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES			NOTIFICATION			
AGENCY OF BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	[illegible]	PERCENT TREATED	PERCENT COOLING				TYPE	DATE MO	DAY	YR
							PEMISCOT CO																
							CARUTHERSVILLE																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03289	15538	24	1450	155	0	POST OFFICE	1	1											1			
						1	CARUTHERSVILLE CITY SEW			285		0											
		1					2 COUNTY TOTAL			285													
							PERRY CO																
							PERRYVILLE																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03086	15583	24	6210	157	0	POST OFFICE	1	1											1			
						1	PERRYVILLE CITY SEWER			100		0											
		1					2 COUNTY TOTAL			100													
							PETTIS CO																
							SEDALIA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03064	16465	24	7210	159	0	POST OFFICE	1	1											1			
						1	SEDALIA CITY SEWER			330		0											
							HEALTH ED AND WELFARE																
							OFFICE OF EDUCATION																
7509	12631	08284	24	7210	159	0	WHITEMAN A F BASE SCHOOL	1	4											1			
						1	WHITEMAN AF BASE SEWER			6,960		0											
		2					4 COUNTY TOTAL			7,290													
							PHELPS CO																
							ROLLA																
							AGRICULTURE																
							FOREST SERVICE																
							MISSOURI NAT FOREST																
1226	07767	06401	24	6910	161	0	SUPERVISORS OFFICE	1	1											1			
						1	ROLLA CITY SEWER			200		0											
1226	07767	06408	24	6910	161	0	ROLLA ADMIN SITE	1	1											1			
						3	GROUND			100		100											
							INTERIOR																
							BUREAU OF MINES																
1404	06789	09329	24	6910	161	0	METALLURGY RESEARCH CTR	1	2								28	39		1			
						1	ROLLA CITY SEWER			2,000		0	18,000		0	10							
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03070	15587	24	6910	161	0	POST OFFICE	1	1											1			
						1	ROLLA MUN SEWER			300		0											
							DEFENSE																
							ARMY																
2101	22133	17650	24	6910	161	0	USAR CENTER	1												1			
						1	ROLLA MUN SEWER			40		0											
							GENERAL SERVICES ADMIN																
4706	41567	12325	24	6910	161	0	PINE STREET BUILDING	1	3								39			1			
						1	ROLLA CITY SEWER			5,000		0	5,000		0	10							
4706	41568	12326	24	6910	161	0	WHITE-THOMAS BUILDING	1	3											1			
						1	ROLLA CITY SEWER			4,000		0											
		7					14 COUNTY TOTAL			11,640			23,000										
							PIKE CO																
							BOWLING GREEN																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03279	15529	24	0940	163	0	POST OFFICE	1	1											1			
						1	BOWLING GREEN CITY SEW			116		0											
							CLARKSVILLE																
							DEFENSE																
							CORPS OF ENG CIVIL																
9601	09884	18836	24	1650	163	0	MISS RIV LOCK & DAM #24	1												1			
						2	MISSISSIPPI RIVER			800		0											
							LOUISIANA																
							POST OFFICE																
							BUREAU OF FACILITIES																
1804	03185	15569	24	4720	163	0	POST OFFICE	1	1											1			
						1	LOUISIANA CITY SEWER			209		0											
		3					6 COUNTY TOTAL			1,129													

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							PLATTE CO														
							PARKVILLE														
							DEFENSE														
							AIR FORCE														
5701	24397	10117	24	6080	165	0	PARKVILLE AF POL RDS	2										1			
						3	GROUND			500		100									
		1					2 COUNTY TOTAL			500											
							PULASKI CO														
							FORT LEONARD WOOD														
							DEFENSE														
							ARMY														
2101	20979	19910	24	2855	169	0	MAIN POST AREA	1										1			
						2	DRY CREEK			4,200,000		100									
2101	20979	20845	24	2855	169	0	RANGE 24	1										1			
						3	GROUND			26	P	0									
2101	20979	20846	24	2855	169	0	RANGE 25	1										1			
						3	GROUND			26	P	0									
2101	20979	20847	24	2855	169	0	RANGE 26	1										1			
						3	GROUND			26	P	0									
2101	20979	20848	24	2855	169	0	RANGE 27	1										1			
						3	GROUND			26	P	0									
2101	20979	20849	24	2855	169	0	RANGE 28	1										1			
						3	GROUND			26	P	0									
2101	20979	20850	24	2855	169	0	RANGE 29	1										1			
						3	GROUND			26	P	0									
2101	20979	20851	24	2855	169	0	RANGE 30	1										1			
						3	GROUND			26	P	0									
2101	20979	20852	24	2855	169	0	RANGE 31	1										1			
						3	GROUND			26	P	0									
2101	20979	20853	24	2855	169	0	RANGE 32	1										1			
						3	GROUND			26	P	0									
2101	20979	20854	24	2855	169	0	RANGE 33	1										1			
						3	GROUND			26	P	0									
2101	20979	20855	24	2855	169	0	RANGE 34-35-36	1										1			
						3	GROUND			26	P	0									
2101	20979	20856	24	2855	169	0	RANGES 37 & 39	1										1			
						3	GROUND			26	P	0									
2101	20979	20857	24	2855	169	0	RANGES 41 & 43	1										1			
						3	GROUND			26	P	0									
2101	20979	20858	24	2855	169	0	RANGE 50	1										1			
						3	GROUND			26	P	0									
2101	20979	20859	24	2855	169	0	RANGE 60	1										1			
						3	GROUND			26	P	0									
2101	20979	20860	24	2855	169	0	RANGE 60A	1										1			
						3	GROUND			26	P	0									
2101	20979	20861	24	2855	169	0	RANGES 61-62-63	1										1			
						3	GROUND			26	P	0									
2101	20979	20862	24	2855	169	0	RANGE 75	1										1			
						3	GROUND			26	P	0									
2101	20979	20863	24	2855	169	0	RANGE 76	1										1			
						3	GROUND			26	P	0									
2101	20979	20864	24	2855	169	0	RANGES 98-99 & 101	1										1			
						3	GROUND			26	P	0									
2101	20979	20865	24	2855	169	0	RANGE 102	1										1			
						3	GROUND			26	P	0									
2101	20979	20866	24	2855	169	0	RANGE 121	1										1			
						3	GROUND			26	P	0									
2101	20979	20867	24	2855	169	0	RANGE 123	1										1			
						3	GROUND			26	P	0									
2101	20979	20868	24	2855	169	0	RANGE 125	1										1			
						3	GROUND			26	P	0									
2101	20979	20869	24	2855	169	0	RANGE 126	1										1			
						3	GROUND			26	P	0									
2101	20979	20870	24	2855	169	0	RANGES 131 & 132	1										1			
						3	GROUND			26	P	0									
2101	20979	20871	24	2855	169	0	RANGE 147	1										1			
						3	GROUND			26	P	0									
2101	20979	20872	24	2855	169	0	RANGE 148	1										1			
						3	GROUND			26	P	0									
2101	20979	20873	24	2855	169	0	RANGE 194	1										1			
						3	GROUND			26	P	0									
2101	20979	20874	24	2855	169	0	RANGE 193	1										1			
						3	GROUND			26	P	0									
2101	20979	20875	24	2855	169	0	RANGE 195	1										1			
						3	GROUND			26	P	0									
2101	20979	20876	24	2855	169	0	RNGS 203-204-206-208-209	1										1			
						3	GROUND			26	P	0									
2101	20979	20878	24	2855	169	0	RANGE 215	1										1			
						3	GROUND			26	P	0									

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31,1960

GSA CONTROL AGENCY OR BUREAU	GSA CONTROL INSTAL LATION	GSA CONTROL REPORT NUMBER	STATE	GEOGRAPHIC LOCATION CITY	GEOGRAPHIC LOCATION COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE VOLUME GALLONS PER DAY	SEWAGE PERSONS	SEWAGE PERCENT TREATED	INDUSTRIAL WASTE VOLUME GALLONS PER DAY	INDUSTRIAL WASTE SOLIDS	INDUSTRIAL WASTE PERCENT TREATED	INDUSTRIAL WASTE PERCENT GROUND	INDUSTRIAL ACTIVITY CODES	NOTIFICATION TYPE	NOTIFICATION DATE MO	NOTIFICATION DATE DAY	NOTIFICATION DATE YR
2101	20979	20879	24	2855	169	0	RANGE 216	1										1			
						3	GROUND			26P		0									
2101	20979	20880	24	2855	169	0	RANGE 217	1										1			
						3	GROUND			26P		0									
2101	20979	20881	24	2855	169	0	RANGE 218	1										1			
						3	GROUND			26P		0									
2101	20979	20882	24	2855	169	0	RANGE 219	1										1			
						3	GROUND			26P		0									
2101	20979	20883	24	2855	169	0	RANGE 220	1										1			
						3	GROUND			26P		0									
2101	20979	20884	24	2855	169	0	RANGE 221	1										1			
						3	GROUND			26P		0									
2101	20979	20885	24	2855	169	0	RANGE 222	1	1									1			
						3	GROUND			26P		0									
2101	20979	20886	24	2855	169	0	RANGES 223-224-225 & 226	1										1			
						3	GROUND			26P		0									
2101	20979	20887	24	2855	169	0	RANGE 230	1										1			
						3	GROUND			26P		0									
2101	20979	20888	24	2855	169	0	RANGE 231-232-233	1										1			
						3	GROUND			26P		0									
2101	20979	20889	24	2855	169	0	RANGE 234	1										1			
						3	GROUND			26P		0									
2101	20979	20890	24	2855	169	0	RANGE 235	1										1			
						3	GROUND			26P		0									
2101	20979	20891	24	2855	169	0	RANGES 238 239 240 241	1										1			
						3	GROUND			26P		0									
2101	20979	20892	24	2855	169	0	RANGE 243	1										1			
						3	GROUND			26P		0									
2101	20979	20893	24	2855	169	0	RANGE 244	1										1			
						3	GROUND			26P		0									
2101	20979	20894	24	2855	169	0	RANGE 245	1										1			
						3	GROUND			26P		0									
2101	20979	20895	24	2855	169	0	RANGE 246	1										1			
						3	GROUND			26P		0									
2101	20979	20896	24	2855	169	0	RANGE 255	1										1			
						3	GROUND			26P		0									
2101	20979	20897	24	2855	169	0	RANGE 256	1										1			
						3	GROUND			26P		0									
2101	20979	20898	24	2855	169	0	BUILDING # 595	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20899	24	2855	169	0	BUILDINGS 847-992-1138	1									39	1			
						3	GROUND						4,000		0	0					
2101	20979	20900	24	2855	169	0	BUILDING 1177	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20901	24	2855	169	0	BUILDING # 1299	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20902	24	2855	169	0	TRACTOR & SCRAPER SCHOOL	1										1			
						3	GROUND			7,000		100									
2101	20979	20903	24	2855	169	0	BUILDING # 1381	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20904	24	2855	169	0	BUILDING # 1388	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20905	24	2855	169	0	BUILDING # 1398	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20906	24	2855	169	0	BUILDING # 1598	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20907	24	2855	169	0	BUILDING # 1845	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20908	24	2855	169	0	BUILDING # 2505-A	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20909	24	2855	169	0	BUILDING # 2512	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20910	24	2855	169	0	BUILDING # 2552	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20911	24	2855	169	0	BUILDING # 2628	1									39	1			
						3	GROUND						1,300		0	0					
2101	20979	20912	24	2855	169	0	BIVOUAC AREA # 251	1										1			
						3	GROUND			21,000		200									
2101	20979	20913	24	2855	169	0	BIVOUAC AREA # 227	1										1			
						3	GROUND			162P		0									
2101	20979	20914	24	2855	169	0	BIVOUAC AREA # 229	1										1			
						3	GROUND			162P		0									
2101	20979	20915	24	2855	169	0	BIVOUAC AREA # 237	1										1			
						3	GROUND			162P		0									
2101	20979	20916	24	2855	169	0	BIVOUAC AREA # 228	1										1			
						3	GROUND			162P		0									
2101	20979	20917	24	2855	169	0	BIVOUAC AREA # 236	1										1			
						3	GROUND			162P		0									
2101	20979	20918	24	2855	169	0	BIVOUAC AREA # 242	1										1			
						3	GROUND			162P		0									
2101	20979	20919	24	2855	169	0	BIVOUAC AREA # 247	1										1			
						3	GROUND			162P		0									

GSA FORM 742C
MARCH 1961

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			NO.	DAY	YR
2101	20979	20920	24	2855	169	0	ROD & GUN CLUB	1										1			
						3	GROUND			10P		0									
2101	20979	20921	24	2855	169	0	OFFICERS PICNIC AREA	1										1			
						3	GROUND			10P		0									
2101	20979	20922	24	2855	169	0	HAPPY HOLLOW BEACH	1										1			
						3	GROUND			350		100									
2101	20979	20923	24	2855	169	0	RECREATION AREA	1										1			
						3	GROUND			28P		0									
2101	20979	21000	24	2855	169	0	MAIN GATE	1										1			
						3	GROUND			34P		0									
2101	20979	21001	24	2855	169	0	SOUTH GATE	1										1			
						3	GROUND			2P		0									
2101	20979	21002	24	2855	169	0	EAST GATE	1										1			
						3	GROUND			2P		0									
2101	20979	21003	24	2855	169	0	BIG PINEY ROAD GATE	1										1			
						3	GROUND			2P		0									
2101	20979	21004	24	2855	169	0	RANGES 1-2-3-4-5	1										1			
						3	GROUND			26P		0									
2101	20979	21005	24	2855	169	0	RANGES 6-7-8-9	1										1			
						3	GROUND			26P		0									
2101	20979	21006	24	2855	169	0	RANGES 10-11	1										1			
						3	GROUND			26P		0									
2101	20979	21007	24	2855	169	0	RANGE 12	1										1			
						3	GROUND			26P		0									
2101	20979	21008	24	2855	169	0	RANGE 18	1										1			
						3	GROUND			26P		0									
2101	20979	21009	24	2855	169	0	RANGE 19	1										1			
						3	GROUND			26P		0									
2101	20979	21010	24	2855	169	0	RANGE 20	1										1			
						3	GROUND			26P		0									
2101	20979	21011	24	2855	169	0	RANGE 22	1										1			
						3	GROUND			26P		0									
2101	20979	21012	24	2855	169	0	RANGE 23	1										1			
						3	GROUND			26P		0									
							WAYNESVILLE														
							HEALTH ED AND WELFARE														
							OFFICE OF EDUCATION														
7509	11229	08285	24	8190	169	0	FT LEONARD WOOD SCHOOL	1	5									1			
						1	FORT LEONARD WOOD SEWER			69,190		0									
		93					186 COUNTY TOTAL			2,297,540			19,600								
										2,808P											
							PUTNAM CO														
							UNIONVILLE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03093	15598	24	7880	171	0	POST OFFICE	1	1									1			
						1	UNIONVILLE CITY SEWER			110		0									
		1					2 COUNTY TOTAL			110											
							RALLS CO														
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09883	18849	24	9999	173	0	MISS RIV LOCK & DAM #22	1										1			
						2	MISSISSIPPI RIVER			300		0	100		0	100					
						3	GROUND			400		100									
		1					3 COUNTY TOTAL			700			100								
							RANDOLPH CO														
							MOBERLY														
							GENERAL SERVICES ADMIN														
4706	03447	12324	24	5270	175	0	FEDERAL BUILDING	1	2									1			
						1	MOBERLY CITY SEWER			1,300		0									
		1					2 COUNTY TOTAL			1,300											
							RAY CO														
							LAWSON														
							DEFENSE														
							ARMY														
2101	00000	20624	24	4450	177	0	NIKE KC DEF AREA MSG	1										1			
						3	GROUND			4,000		100									
2101	22332	17643	24	4450	177	0	NIKE KANSAS CITY SITE 10	1										1			
						3	GROUND			4,320		100									
							RICHMOND														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03100	15586	24	6770	177	0	POST OFFICE	1	1									1			
						1	RICHMOND MUN SEWER			190		0									
		3					6 COUNTY TOTAL			8,510											

MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	COOLING		TYPE	DATE MO	DAY	YR
							REYNOLDS CO														
							CENTERVILLE														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06404	24	1515	179	0	CENTERVILLE ADMIN SITE	1	1									1			
						3	GROUND			250		100									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							CLEARWATER RESERVOIR														
9601	09878	18850	24	9999	179	0	THURMAN POINT	1										1			
						3	GROUND			10	P	0									
9601	09878	19542	24	9999	179	0	BLUFF VIEW AREA	1										1			
						3	GROUND			50	P	0									
9601	09878	19543	24	9999	179	0	WEBB CREEK AREA	1										1			
						3	GROUND			65	P	0									
		4					8 COUNTY TOTAL			250 125	 P										
							RIPLEY CO														
							DONIPHAN														
							AGRICULTURE														
							FOREST SERVICE														
1226	07667	06513	24	2290	181	0	RIPLEY CO LAKE	1	1									1			
						3	GROUND			16	P	0									
							MISSOURI NAT FOREST														
1226	07767	06504	24	2290	181	0	DONIPHAN ASST RNG DWELL	1	1									1			
						3	GROUND			400		100									
1226	07767	06507	24	2290	181	0	DONIPHAN RANGER STATION	1	1									1			
						1	SONIPHAN CITY SEWER			450		0									
1226	07767	06509	24	2290	181	0	FLOAT CAMP PICNIC GND	1	2									1			
						3	GROUND			65	P	0									
1226	07767	06510	24	2290	181	0	FLOAT CAMP CAMP ROUND	1	2									1			
						3	GROUND			55	P	0									
1226	07767	06511	24	2290	181	0	BUFFALO CAMPGROUND	1	1									1			
						3	GROUND			10	P	0									
1226	07767	06512	24	2290	181	0	COMPTON CAMPGROUND	1	1									1			
						3	GROUND			6	P	0									
		7					14 COUNTY TOTAL			850 152	 P										
							ST CHARLES CO														
							ST CHARLES														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03069	15588	24	7010	183	0	POST OFFICE	1	1									1			
						1	ST CHARLES CITY SEWER			300		0									
							WELDON SPRING														
							DEFENSE														
							ARMY														
2101	21288	17664	24	8235	183	0	USAR CENTER	1										1			
						2	MISSOURI RIVER			1,050		100									
							ATOMIC ENERGY COMM														
8901	11989	01882	24	8235	183	0	MALLINCKRODT CHEM WORKS	1	4								18	1			
						2	MISSOURI RIVER			100,000		100	2,700,000		20	80					
8901	11989	01883	24	8235	183	0	MALLINCKRODT CHEM WORKS	1	4								18	1			
						2	DARDENNE CREEK						130,000		100	0					
						3	GROUND			10,000		100									
		4					9 COUNTY TOTAL			111,350			2,830,000								
							ST FRANCOIS CO														
							BONNE TERRE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03392	15527	24	0890	187	0	POST OFFICE	1	1									1			
						1	BONNE TERRE MUN SEWER			50		0									
							GENERAL SERVICES ADMIN														
4706	04187	12317	24	0890	187	0	BONNE TERRE POST OFFICE	1	1									1			
						1	BONNE TERRE CITY SEWER			100		0									
							FARMINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03300	15550	24	2670	187	0	POST OFFICE	1	1									1			
						1	FARMINGTON CITY SEWER			277		0									
							FEDERAL AVIATION AGENCY														
6901	12899	13027	24	2670	187	0	FARMINGTON ARPT NAV FAC	1	1									1			
						1	FARMINGTON AIRPORT STW			125		0									
		4					8 COUNTY TOTAL			552											

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	METHODS	PERCENT TREATED	VOLUME GALLONS PER DAY	METHODS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO	DAY	YR
							ST LOUIS CO														
							CLAYTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03294	15543	24	1690	189	0	POST OFFICE	1	2									1			
						1	ST LOUIS METRO DIST SEW			1,502		0									
							JEFFERSON BARRACKS														
							VETERANS ADMINISTRATION														
3601	10291	00083	24	4039	189	0	V A HOSPITAL	1	5									1			
						2	MISSISSIPPI RIVER			200,000		0									
							MAPLEWOOD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03184	15571	24	4900	189	0	POST OFFICE	1	1									1			
						1	ST LOUIS METRO DIST SEW			631		0									
							ROBERTSON														
							FEDERAL AVIATION AGENCY														
6901	06126	13032	24	6845	189	0	NAT BRIDGE RD FLD OFF	1	1									1			
						1	ST LOUIS METRO SEWER			75		0									
							UNIVERSITY CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03068	15599	24	7890	189	0	POST OFFICE	1	2									1			
						1	ST LOUIS METRO DIST SEW			1,137		0									
							WELLSTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03066	15604	24	8250	189	0	POST OFFICE	1	2									1			
						1	ST LOUIS METRO DIST SEW			2,382		0									
							PROP WITHOUT CITY IDENT														
							FEDERAL AVIATION AGENCY														
6901	11933	13040	24	9999	189	0	LAMBERT AIRPORT NAV FAC	1	2									1			
						1	ARPT TO ST LOUIS CO MSD			1,850		0									
6901	12881	13041	24	9999	189	0	ST LOUIS RADAR ARSR-1	1	1									1			
						1	ARPT TO ST LOUIS CO MSD			125		0									
6901	12900	13039	24	9999	189	0	LAMBERT AIRPORT TOWER	1	1									1			
						1	ARPT TO ST LOUIS CO MSD			1,250		0									
							18 COUNTY TOTAL			208,952											
		9																			
							STE GENEVIEVE CO														
							STE GENEVIEVE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03096	15589	24	7110	193	0	POST OFFICE	1	1									1			
						1	STE GENEVIEVE MUN SEWER			50		0									
							2 COUNTY TOTAL			50											
		1																			
							SALINE CO														
							MARSHALL														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03182	15573	24	4970	195	0	POST OFFICE	1	1									1			
						1	MARSHALL MUN SEWER			105		0									
							FEDERAL AVIATION AGENCY														
6901	13593	13031	24	4970	195	0	VORTAC BLDG FIELD OFF	1	1									1			
						3	GROUND			2P		0									
							4 COUNTY TOTAL			105											
		2									2P										
							SCOTT CO														
							SIKESTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03063	15595	24	7310	201	0	POST OFFICE	1	1									1			
						1	SIKESTON CITY SEWER			100		0									
							2 COUNTY TOTAL			100											
		1																			
							SHANNON CO														
							WINONA														
							AGRICULTURE														
							FOREST SERVICE														
							MISSOURI NAT FOREST												1			
1226	07767	06505	24	8450	203	0	WINONA RANGER STATION	1	1	850		100									
						3	GROUND														

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE		INDUSTRIAL WASTE			INDUSTRIAL	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	VOLUME GALLONS PER DAY / PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	PERCENT TREATED	PERCENT COOLING	ACTIVITY CODES	TYPE	DATE MO	DAY	YR
1226	07767	06514	24	8450	203	0	MCCORMACK LAKE	1	1							1			
						3	GROUND			25P	0								
		2					4 COUNTY TOTAL			850 25P									
							STODDARD CO												
							DEXTER												
							POST OFFICE												
							BUREAU OF FACILITIES												
1804	C3453	15546	24	2230	207	0	POST OFFICE	1	1							1			
						1	DEXTER CITY SEWER			133	0								
							PROP WITHOUT CITY IDENT												
							INTERIOR												
							FISH AND WILDLIFE SERV												
1413	09471	09833	24	9999	207	0	MINGO NAT WILDL REFUGE	1	1							1			
						3	GROUND			5P	0								
						3	GROUND			15P	0								
						3	GROUND			5P	C								
		2					6 COUNTY TOTAL			133 25P									
							STONE CO												
							DEFENSE												
							CORPS OF ENG CIVIL												
							TABLE ROCK RESERVOIR												
9601	09568	18851	24	9999	209	0	GALENA PUB PK & DOCK	2								1			
						3	GROUND			145P	0								
9601	09568	18852	24	9999	209	0	CAPE FAIR BOAT DOCK	2								1			
						3	GROUND			160P	0								
9601	09568	18853	24	9999	209	0	REED SPRGS PK & BT DOCK	2								1			
						3	GROUND			130P	0								
9601	09568	18854	24	9999	209	0	COW CREEK AREA	1								1			
						3	GROUND			18P	0								
9601	09568	18855	24	9999	209	0	JOE BALD AREA	1								1			
						3	GROUND			3P	0								
9601	09568	19544	24	9999	209	0	GREEN FOREST-BAXTER B/DK	2								1			
						3	GROUND			65P	0								
9601	09568	19545	24	9999	209	0	CASSVILLE-CAMPBELL B/DK	2								1			
						3	GROUND			85P	0								
9601	09568	19546	24	9999	209	0	AUNTS CREEK AREA	1								1			
						3	GROUND			65P	0								
9601	09568	19547	24	9999	209	0	COOMBS FERRY AREA	1								1			
						3	GROUND			25P	0								
9601	09568	19548	24	9999	209	0	BIG INDEM AREA	1								1			
						3	GROUND			45P	0								
9601	09568	19549	24	9999	209	0	OLD HIGHWAY 86 AREA	1								1			
						3	GROUND			45P	0								
		11					22 COUNTY TOTAL			786P									
							TANEY CO												
							FORSYTH												
							DEFENSE												
							CORPS OF ENG CIVIL												
9601	09557	19534	24	2845	213	0	SHADOW ROCK AREA	2								1			
						3	GROUND			50P	0								
							PROP WITHOUT CITY IDENT												
							DEFENSE												
							CORPS OF ENG CIVIL												
							TABLE ROCK RESERVOIR												
9601	09568	19550	24	9999	213	0	HOLLISTER BOAT DOCK AREA	2								1			
						3	GROUND			75P	0								
9601	09568	19552	24	9999	213	0	TABLE ROCK RESERVOIR	2							39	1			
						2	WHITE RIVER					12,800,000	0	0					
						3	GROUND			100	100								
						3	GROUND			30P	0								
							BULL SHOALS DAM & RES												
9601	10543	18856	24	9999	213	0	BEAVER CREEK AREA	1								1			
						3	GROUND			150P	0								
9801	10543	18857	24	9999	213	0	HIGHWAY K AREA	1								1			
						3	GROUND			170P	0								
9601	10543	19551	24	9999	213	0	KISSEE MILLS AREA	1								1			
						3	GROUND			75P	0								
		6					14 COUNTY TOTAL			100 550P		12,800,000							
							TEXAS CO												
							HOUSTON												
							AGRICULTURE												
							FOREST SERVICE												
1226	07767	06405	24	3810	215	0	HOUSTON ADMIN SITE	1	1							1			
						3	GROUND			100	100								

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL				GEOGRAPHIC LOCATION						SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO.	DAY	YR
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06398	24	9999	215	0	ROBY LOOKOUT ADM SITE	1	1									1			
						3	GROUND			150		100									
		2					4 COUNTY TOTAL			250											
							VERNON CO														
							NEVADA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03099	15580	24	5590	217	0	POST OFFICE	1	1									1			
						1	NEVADA MUN SEWER			2,000		0									
							DEFENSE														
							ARMY														
							CAMP CLARK														
2101	20211	17645	24	5590	217	0	NG FAC CAMP CLARK	1										1			
						3	GROUND			1,200		100									
2101	20211	17646	24	5590	217	0	NG FAC CAMP CLARK	2										1			
						3	GROUND			1,200		100									
		3					6 COUNTY TOTAL			4,400											
							WASHINGTON CO														
							POTOSI														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06407	24	6440	221	0	POTOSI ADMIN SITE	1	1									1			
						3	GROUND			275		100									
		1					2 COUNTY TOTAL			275											
							WAYNE CO														
							WILLIAMSVILLE														
							AGRICULTURE														
							FOREST SERVICE														
1226	07767	06508	24	8400	223	0	WILLIAMSVILLE GUARD STA	1	1									1			
						3	GROUND			400		100									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							CLEARWATER RESERVOIR														
9601	09878	18858	24	9999	223	0	2 DWELLINGS & OVERLOOK	1										1			
						3	GROUND			1,000		100									
9601	09878	18859	24	9999	223	0	PIEDMONT PARK AREA	1										1			
						3	GROUND			165P		0									
9601	09878	18860	24	9999	223	0	RIVER ROAD AREA	1										1			
						3	GROUND			165P		0									
							WAPPAPELLO RESERVOIR														
9601	09890	20459	24	9999	223	0	DAM SITE AREA	1										1			
						3	GROUND			3,750		100									
						3	GROUND			50P		0									
9601	09890	20460	24	9999	223	0	MISSOURI 4-H CLUB	2										1			
						3	GROUND			300		100									
9601	09890	20461	24	9999	223	0	STATE PK-SUPERINTEND RES	2										1			
						3	GROUND			110		100									
9601	09890	20462	24	9999	223	0	PEOPLES CRK COM LEASE	2										1			
						3	GROUND			110P		0									
9601	09890	20464	24	9999	223	0	FERRY POINT-GIRL SCOUTS	2										1			
						3	GROUND			65P		0									
9601	09890	20465	24	9999	223	0	ALLISON PENINSULA ST PK	2										1			
						3	GROUND			500		100									
						3	GROUND			30P		0									
9601	09890	20466	24	9999	223	0	REORG CHURCH-OTTER CRK	2										1			
						3	GROUND			5P		0									
9601	09890	20467	24	9999	223	0	CHAONIA LANDING-COM LEASE	2										1			
						3	GROUND			250		100									
9601	09890	20468	24	9999	223	0	GREENVILLE BDBE COM LEASE	2										1			
						3	GROUND			200		100									
9601	09890	20469	24	9999	223	0	HOLLIDAY LANDING-COM LEASE	2										1			
						3	GROUND			250		100									
9601	09890	20470	24	9999	223	0	PARADISE PT PUBLIC AREA	1										1			
						3	GROUND			10P		0									
9601	09890	20471	24	9999	223	0	GREENVILLE BRDGE PUB AREA	1										1			
						3	GROUND			15P		0									
9601	09890	20472	24	9999	223	0	ROCKWOOD PT PUBLIC AREA	1										1			
						3	GROUND			45P		0									
9601	09890	20473	24	9999	223	0	CHAONIA LANDING PUB AREA	1										1			
						3	GROUND			25P		0									

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVI	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
9601	09890	20474	24	9999	223	0	PEOPLES CRK PUBLIC AREA	1										1			
						3	GROUND			85P		0									
		19					40 COUNTY TOTAL			6,760											
										770P											
							WEBSTER CO														
							MARSHFIELD														
							GENERAL SERVICES ADMIN														
4706	03446	12323	24	4960	225	0	FEDERAL BUILDING PO	1	1									1			
						1	MARSHFIELD CITY SEWER			475		0									
		1					2 COUNTY TOTAL			475											
							WRIGHT CO														
							MOUNTAIN GROVE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03104	15577	24	5480	229	0	POST OFFICE	1	1									1			
						1	MT GROVE CITY SEWER			88		0									
		1					2 COUNTY TOTAL			88											
							INDEPENDENT CITY CO														
							ST LOUIS														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07082	11730	24	7080	230	0	JEFF NATL EXP MEM	1	2									1			
						1	ST LOUIS METRO SEWER			2,000		0									
							DEFENSE														
							NAVY														
1701	00000	01479	24	7080	230	0	INSPECTOR NAV MATERIAL	1										1			
						1	ST LOUIS METRO DIST SEW			1,000		0									
1701	22904	01457	24	7080	230	0	IND RESERVE ORD PLANT	1										1			
						1	ST LOUIS MUNCPL SEWER			5,600		0									
1701	22908	01456	24	7080	230	0	IND RESERVE AIRCR PLANT	2									39	1			
						2	COLD WATER CREEK			490,000		100	1,940,000		39	61					
1701	23058	01568	24	7080	230	0	RESERVE TRAINING CENTER	1										1			
						1	ST LOUIS CITY SEWER			2,000		0									
1701	84419	01494	24	7080	230	0	RECRUITING STATION	1										1			
						1	ST LOUIS CITY SEWER			300		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00648	15592	24	7080	230	0	P O GAR HANNEGAN AUX	1	2									1			
						1	ST LOUIS METRO DIST SEW			1,692		0									
1804	01400	15593	24	7080	230	0	P O GAR NAGLE AUX	1	3									1			
						1	ST LOUIS METRO DIST SEW			585		0									
1804	03098	15590	24	7080	230	0	POST OFFICE	1	6									1			
						1	ST LOUIS METRO DIST SEW			71,063		0									
1804	03386	15591	24	7080	230	0	POST OFFICE GARAGE	1	4									1			
						1	ST LOUIS METRO DIST SEW			12,540		0									
							TREASURY														
							U S COAST GUARD														
2016	07996	08405	24	7080	230	0	CG BASE ST LOUIS	1	2									1			
						2	MISSISSIPPI RIVER			3,000		0									
							DEFENSE														
							ARMY														
2101	20452	17657	24	7080	230	0	JEFFERSON BKS NATL CEM	1										1			
						1	ST LOUIS CITY SEWER			1,000		0									
2101	20813	17655	24	7080	230	0	ST LOUIS ORD STEEL FOUND	1										1			
						1	ST LOUIS CITY SEWER			6,000		0									
2101	20865	17653	24	7080	230	0	USAR CENTER #1	1										1			
						1	ST LOUIS MET DIST SEWER			1,500		0									
2101	20867	17656	24	7080	230	0	ST LOUIS ORD PLANT AMMO	1										1			
						1	ST LOUIS MET DIST SEWER			85,000		0									
2101	21011	17658	24	7080	230	0	US ARMY SUPPORT CENTER	1										1			
						1	ST LOUIS CITY SEWER			150,000		0	5,000		0	100					
2101	21011	17661	24	7080	230	0	SUPPORT CTR 12TH SPRUCE	1										1			
						1	ST LOUIS MET DIST SEWER			103,000		0									
2101	21380	17654	24	7080	230	0	USAR CENTER #2	1										1			
						1	ST LOUIS MET DIST SEWER			1,350		0									
2101	22101	17659	24	7080	230	0	SUPPORT CTR FAMILY HOUS	1										1			
						1	ST LOUIS MET DIST SEWER			4,455		0									
2101	22328	17660	24	7080	230	0	SUPPORT CTR WHERRY HOUS	1										1			
						1	ST LOUIS MET DIST SEWER			26,400		0									
							VETERANS ADMINISTRATION														
3601	10335	00086	24	7080	230	0	V A HOSPITAL	1	4									1			
						1	ST LOUIS CITY SEWER			203,000		0									
							GENERAL SERVICES ADMIN														
4706	03428	12328	24	7080	230	0	COURTHSE CUSTOM HSE	1	5									1			
						1	ST LOUIS CITY SEWER			21,600		0									
4706	03435	12329	24	7080	230	0	CUSTOM HOUSE OLD	1	3									1			
						1	ST LOUIS CITY SEWER			5,130		0									

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MISSOURI

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO.	DAY	YR.
4706	03444	12331	24	7080	230	0	VETERANS ADMIN BUILDING	1	4									1			
						1	ST LOUIS CITY SEWER			17,640		0									
4706	03468	12330	24	7080	230	0	MIL PERS REC CENTER	1	5								39	1			
						1	ST LOUIS CITY SEWER			43,890		0									
						2	DES PERES CREEK						4,800		0	0					
							DEFENSE														
							AIR FORCE														
5701	24016	09057	24	7080	230	0	AERO CHART & INFO CTR	1									39	1			
						1	ST LOUIS MET DIST SEWER			202,000		0	89		0	0					
5701	24813	09056	24	7080	230	0	S ST LOUIS STORAGE ANNEX	1										1			
						1	ST LOUIS MET DIST SEWER			30,000		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	09889	19535	24	7080	230	0	SERVICE BASE	1										1			
						2	MISSISSIPPI RIVER			5,000		0									
		28					57 COUNTY TOTAL			1,496,745			1,949,889								
		403					826 STATE TOTAL			6,418,254 6,207P			20,201,489								

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MARCH 1961

NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							NEBRASKA														
							ADAMS CO														
							HASTINGS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03378	14925	26	2280	001	0	POST OFFICE	1	2									1			
						1	HASTINGS CITY SEWER			210		0									
							DEFENSE														
							AIR FORCE														
5701	00000	11360	26	2280	001	0	HASTING AF STATION	1										1			
						3	GROUND			1,500		100									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							NAVY														
1701	22944	01468	26	9999	001	0	AMMUNITION DEPOT	1										1			
						2	BIG SANDY CREEK			20,400		100									
		3					6 COUNTY TOTAL			22,110											
							BOONE CO														
							ALBION														
							AGRICULTURE														
							SOIL CONSERVATION SER														
1229	10737	09275	26	0040	011	0	WORK UNIT	1	1									1			
						1	ALBION CITY SEWER			225		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03034	20975	26	0040	011	0	POST OFFICE	1	1									1			
						1	ALBION CITY SEWER			150		0									
		2					4 COUNTY TOTAL			375											
							BOX BUTTE CO														
							ALLIANCE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03254	14908	26	0080	013	0	POST OFFICE	1	1									1			
						1	ALLIANCE CITY SEWER			557		0									
		1					2 COUNTY TOTAL			557											
							BUFFALO CO														
							KEARNEY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03000	14928	26	2680	019	0	POST OFFICE	1	1									1			
						1	KEARNEY CITY SEWER			432		0									
							DEFENSE														
							ARMY														
2101	20468	19239	26	2680	019	0	NAT GUARD FACILITY	1										1			
						3	GROUND			50P		0									
		2					4 COUNTY TOTAL			432 50P											
							BUTLER CO														
							DAVID CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03076	14920	26	1380	023	0	POST OFFICE	1	1									1			
						1	DAVID CITY SEWER			100		0									
		1					2 COUNTY TOTAL			100											
							CASS CO														
							LOUISVILLE														
							DEFENSE														
							ARMY														
2101	22119	17829	26	2910	025	0	NIKE OFFUTT AFB SITE 60	1										1			
						3	GROUND			4,001		100									
2101	22119	19134	26	2910	025	0	NIKE OFFUTT AFB SITE 60	1										1			
						3	GROUND			1,350		100									
						3	GROUND			8P		100									
2101	00000	19808	26	2910	025	0	LSD HSG MIL NO ADD AVAIL	1										1			
						1	LOUISVILLE CITY SEWER			1,800		0									
							PLATTSMOUTH														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03191	14940	26	3920	025	0	POST OFFICE	1	1									1			
						1	PLATTSMOUTH CITY SEWER			200		0									
							DEFENSE														
							ARMY														
2101	00000	19816	26	3920	025	0	LSD HSG MIL-NO ADD AVAIL	1										1			
						1	PLATTSMOUTH CITY SEWER			3,800		0									

NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DATE DAY	DATE YR
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18543	26	3920	025	0	ENG CORPS-LAUNCH	1										1			
						3	GROUND			2	P	100									
9601	00000	18544	26	3920	025	0	ENG CORPS-PROJECT OFFICE	1										1			
						3	GROUND			250		100									
		7					15 COUNTY TOTAL			11,401											
										10	P										
							CEDAR CO														
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							GAVINS PT DAM & RES														
9601	10087	18548	26	9999	027	0	GAVINS PT DAM REC AREA	1										1			
						3	GROUND			2,000	P	0									
9601	10087	18549	26	9999	027	0	GAVINS POINT POWERHOUSE	1										1			
						3	GROUND			6,700		100									
		2					4 COUNTY TOTAL			6,700											
										2,000	P										
							CHASE CO														
							ENDERS														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10455	26	1735	029	0	ENDERS DAM RESIDENCE	1	1									1			
						3	GROUND			200		100									
							IMPERIAL														
							FEDERAL AVIATION AGENCY														
6901	00000	13044	26	2580	029	0	MUN AIRPORT NAV FAC	1	1									1			
						1	IMPERIAL AIRPORT SEWER			250		0									
		2					4 COUNTY TOTAL			450											
							CHERRY CO														
							VALENTINE														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09183	09865	26	4960	031	0	FT NIOBRARA NAT WL REF	1	2								20	1			
						2	NIOBRARA RIVER			650		0	300	S	0	0					
						3	GROUND			67	P	0									
1413	09287	09862	26	4960	031	0	PELICAN LAKE SUB HQ	1	1									1			
						3	GROUND			250		100									
1413	09287	09863	26	4960	031	0	PONY LAKE SUB HQ	1	1									1			
						3	GROUND			100		100									
1413	09287	09864	26	4960	031	0	VALENTINE NAT WILDL REF	1	1									1			
						3	GROUND			250		100									
						3	GROUND			2	P	0									
							BUR OF RECLAMATION														
1417	06870	10465	26	4960	031	0	SANDHILLS DIVISION	1	2									1			
						1	VALENTINE CITY SEWER			1,000		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03400	14948	26	4960	031	0	POST OFFICE	1	1									1			
						1	VALENTINE CITY SEWER			100		0									
							PROP WITHOUT CITY IDENT														
							AGRICULTURE														
							FOREST SERVICE														
							NEBRASKA NAT FOREST														
1226	07524	03827	26	9999	031	0	NIOBRARA RAN STA OFF	1	1									1			
						3	GROUND			15		100									
1226	07524	03828	26	9999	031	0	NIOBRARA TRAILERS	1	1									1			
						3	GROUND			35		100									
1226	07524	03829	26	9999	031	0	NIOBRARA DWELLING	1	1									1			
						3	GROUND			75		100									
		9					20 COUNTY TOTAL			2,475			300								
										69	P										
							CHEYENNE CO														
							SIDNEY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03033	14945	26	4430	033	0	POST OFFICE	1	1									1			
						1	SIDNEY CITY SEWER			40		0									
							DEFENSE														
							ARMY														
2101	20848	17825	26	4430	033	0	SIOUX ORD DEPOT-GEN SPLY	1										1			
						3	GROUND			2,000		100									
2101	20848	19240	26	4430	033	0	SIOUX ORD DEPOT-ADM	1										1			
						2	UNNAMED DRY RUN			300,000		100									

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NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
2101	20848	19241	26	4430	033	0	SIOUX ORD DEPOT-WORKSHOP	1									39	1			
						3	GROUND			10,000		100	100,000		0	0					
							FEDERAL AVIATION AGENCY														
6901	43574	13051	26	4430	033	0	MUN AIRPORT NAV FAC	1	1									1			
						1	SIDNEY AIRPORT SEWER			225		0									
		5					10 COUNTY TOTAL			312,265			100,000								
							CLAY CO														
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							NAVY														
1701	22944	20637	26	9999	035	0	AMMUNITION DEPOT	1									39	1			
						2	BIG SANDY CREEK						97,000		100	5					
		1					2 COUNTY TOTAL						97,000								
							COLFAX CO														
							SCHUYLER														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03189	14942	26	4320	037	0	POST OFFICE	1	1									1			
						1	SCHUYLER CITY SEWER			60		0									
		1					2 COUNTY TOTAL			60											
							CUSTER CO														
							BROKEN BOW														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03081	14914	26	0720	041	0	POST OFFICE	1	1									1			
						1	BROKEN BOW CITY SEWER			135		0									
							SARGENT														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10462	26	4300	041	0	SARGENT HDQRS	2	1									1			
						1	SARGENT CITY SEWER			150		0									
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10466	26	9999	041	0	MILBURN DIV DAM	2	1									1			
						3	GROUND			50		100									
		3					6 COUNTY TOTAL			335											
							DAWES CO														
							CHADRON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03080	14916	26	0960	045	0	POST OFFICE	1	1									1			
						1	CHADRON CITY SEWER			85		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13042	26	0960	045	0	CHADRON AIRPORT NAV FAC	1	1									1			
						1	CHADRON AIRPORT SEWER			275		0									
							CRAWFORD														
							AGRICULTURE														
							AGR RESEARCH SERVICE														
1212	08936	07824	26	1220	045	0	BEEF CATTLE RESEARCH STA	1	1									1			
						2	WHITE RIVER			800		100									
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09217	09859	26	1220	045	0	CRAWFORD NAT FISH HAT	1	1								39	1			
						2	WHITE RIVER						935,000		0	0					
						3	GROUND			300		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03078	14918	26	1220	045	0	POST OFFICE	1	1									1			
						1	CRAWFORD CITY SEWER			200		0									
		5					11 COUNTY TOTAL			1,660			935,000								
							DAWSON CO														
							LEXINGTON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03038	14929	26	2810	047	0	POST OFFICE	1	1									1			
						1	LEXINGTON CITY SEWER			2,500		0									
							2 COUNTY TOTAL			2,500											

NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							DODGE CO														
							FREMONT														
							DEFENSE														
							NAVY														
1701	23826	01503	26	1900	053	0	RES ELECTRONIC FACILITY	1										1			
						1	FREMONT CITY SEWER			100		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03073	20976	26	1900	053	0	POST OFFICE	1	1									1			
						1	FREMONT CITY SEWER			1,800		0									
							HOOPER														
							DEFENSE														
							AIR FORCE														
5701	25086	08956	26	2460	053	0	HOOPER IONOSPHERIC SITE	1										1			
						3	GROUND			10,750		100									
		3					6 COUNTY TOTAL			12,650											
							DOUGLAS CO														
							BENSON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03195	14912	26	0530	055	0	POST OFFICE BENSON STA	1	1									1			
						1	OMAHA CITY SEWER			125		0									
							ELKHORN														
							DEFENSE														
							AIR FORCE														
5701	24666	08964	26	1660	055	0	OFFUTT AFB COMM ANNEX 2	1										1			
						3	GROUND			5,000		100									
							OMAHA														
							DEFENSE														
							NAVY														
1701	00000	01493	26	3620	055	0	RECRUITING STATION	1										1			
						1	OMAHA CITY SEWER			300		0									
1701	22962	01483	26	3620	055	0	PERSONNEL CENTER	1										1			
						1	OMAHA CITY SEWER			44,482		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00801	14936	26	3620	055	0	POST OFFICE GARAGE	1	1									1			
						1	OMAHA CITY SEWER			1,275		0									
							DEFENSE														
							ARMY														
2101	00000	19809	26	3620	055	0	LSD HSG MIL 660 S 68TH	1										1			
						1	OMAHA MET UTIL DIST SEW			400		0									
2101	00000	19810	26	3620	055	0	LSD HSG MIL 8328 GRAND	1										1			
						1	OMAHA MET UTIL DIST SEW			600		0									
2101	00000	19811	26	3620	055	0	LSD HSG MIL 7030 HAMILTON	1										1			
						1	OMAHA MET UTIL DIST SEW			200		0									
2101	00000	19812	26	3620	055	0	LSD HSG MIL 5112 DODGE	1										1			
						1	OMAHA MET UTIL DIST SEW			600		0									
2101	00000	19813	26	3620	055	0	LSD HSG MIL 3402 N 82ND	1										1			
						1	OMAHA MET UTIL DIST SEW			600		0									
2101	00000	19814	26	3620	055	0	LSD HSG MIL 3009 S 87TH	1										1			
						1	OMAHA MET UTIL DIST SEW			400		0									
2101	00000	20809	26	3620	055	0	LSD HSG MIL 5 HOUSES	1										1			
						1	OMAHA CITY SEWER			1,800		0									
2101	00000	20810	26	3620	055	0	LSD HSG MIL 3 HOUSES	1										1			
						1	OMAHA CITY SEWER			1,500		0									
2101	00000	20811	26	3620	055	0	LSD HSG MIL 7 HOUSES	1										1			
						1	OMAHA CITY SEWER			3,300		0									
2101	00000	20812	26	3620	055	0	LSD HSG MIL 5 HOUSES	1										1			
						1	OMAHA CITY SEWER			2,200		0									
2101	00000	20813	26	3620	055	0	LSD HSG MIL 8 HOUSES	1										1			
						1	OMAHA CITY SEWER			3,400		0									
2101	00000	20814	26	3620	055	0	LSD HSG MIL 4 HOUSES	1										1			
						1	OMAHA CITY SEWER			1,300		0									
2101	00000	20815	26	3620	055	0	LSD HSG MIL 4 HOUSES	1										1			
						1	OMAHA CITY SEWER			1,500		0									
2101	00000	20817	26	3620	055	0	LSD HSG MIL 3 HOUSES	1										1			
						1	OMAHA CITY SEWER			1,400		0									
2101	20465	19135	26	3620	055	0	USAR CENTER SUBDEPOT	1										1			
						1	OMAHA CITY SEWER			696		0									
2101	20670	17831	26	3620	055	0	USAR CENTER	1										1			
						1	OMAHA CITY SEWER			650		0									
2101	80627	20816	26	3620	055	0	LIN OFFUTT DA-HOUSING	1										1			
						1	OMAHA CITY SEWER			1,100		0									
							VETERANS ADMINISTRATION														
3601	10315	00091	26	3620	055	0	V A HOSPITAL	1	4									1			
						1	OMAHA CITY SEWER			81,000		0									

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NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							GENERAL SERVICES ADMIN														
4706	03433	12340	26	3620	055	0	POST OFFICE BUILDING	1	4									1			
						1	OMAHA CITY SEWER			7,230		0									
4706	03434	12338	26	3620	055	0	FEDERAL BUILDING	1	5									1			
						1	OMAHA CITY SEWER			26,828		0									
4706	03445	12339	26	3620	055	0	FEDERAL OFFICE BUILDING	1	4									1			
						1	OMAHA CITY SEWER			11,293		0									
4706	03448	12341	26	3620	055	0	SOUTH OMAHA POST OFFICE	1	2									1			
						1	OMAHA CITY SEWER			2,716		0									
4706	04291	12337	26	3620	055	0	ENGINEERS BUILDING	1	3									1			
						1	OMAHA CITY SEWER			3,190		0									
							DEFENSE														
							AIR FORCE														
5701	25011	08948	26	3620	055	0	OMAHA AF STATION	1										1			
						3	GROUND			18,000		100									
							FEDERAL AVIATION AGENCY														
6901	43569	13047	26	3620	055	0	OMAHA AIRPORT AD BLDG	1	1									1			
						1	AIRPT TO OMAHA SEWER			1,050		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18540	26	3620	055	0	ENG CORPS-DREDGE LEWIS	1										1			
						2	MISSOURI RIVER			800		100									
9601	09894	18542	26	3620	055	0	ENG CORPS-MO RIV DIV LAB	1									39	1			
						1	OMAHA CITY SEWER			2,700		0	3,000		0	50					
9601	09895	18541	26	3620	055	0	FLORENCE BOAT YARD	1										1			
						2	MISSOURI RIVER			1,000		100									
		33					66 COUNTY TOTAL			228,635			3,000								
							FILLMORE CO														
							GENEVA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03072	14923	26	1970	059	0	POST OFFICE	1	1									1			
						1	GENEVA CITY SEWER			136		0									
		1					2 COUNTY TOTAL			136											
							FRONTIER CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10467	26	9999	063	0	MEDICINE CREEK DAM RES	1	1									1			
						3	GROUND			200		100									
		1					2 COUNTY TOTAL			200											
							FURNAS CO														
							CAMBRIDGE														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10454	26	0870	065	0	F-C IRRIG DIST OFFICE	2	1									1			
						1	CAMBRIDGE CITY SEWER			150		0									
		1					2 COUNTY TOTAL			150											
							GAGE CO														
							BEATRICE														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07080	11765	26	0390	067	0	HOMESTEAD NATL MON	1	2									1			
						3	GROUND			200		100									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03083	14911	26	0390	067	0	POST OFFICE	1	1									1			
						1	BEATRICE CITY SEWER			628		0									
		2					4 COUNTY TOTAL			828											
							GARDEN CO														
							PROP WITHOUT CITY IDENT														
							INTERIOR														
							FISH AND WILDLIFE SERV														
1413	09237	09866	26	9999	069	0	CRESCENT LAKE N WILD RF	1	1									1			
						3	GROUND			600		0									
		1					2 COUNTY TOTAL			600											
							HALL CO														
							GRAND ISLAND														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10457	26	2090	079	0	GRAND ISLAND HDQRS	1	3									1			
						1	GRAND ISLAND CITY SEWER			3,000		0									

NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION							SEWAGE		INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY	CARD NO	DESCRIPTION	ACTIVITY	POP. SIZE	VOLUME GALLONS PER DAY	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	COOLING		TYPE	DATE MO	DAY	YR
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	09071	14924	26	2090	079	0	POST OFF & COURTHOUSE	1	2								1			
						1	GRAND ISLAND CITY SEWER			1,200	0									
							FEDERAL COMM COM													
2701	05082	00518	26	2090	079	0	GRAND ISLAND MON STA	1	1								1			
						3	GROUND			150	100									
							VETERANS ADMINISTRATION													
3601	10278	00089	26	2090	079	0	V A HOSPITAL	1	3								1			
						1	GRAND ISLAND CITY SEWER			85,000	0									
							GENERAL SERVICES ADMIN													
4706	00000	20[illegible]1	26	2090	079	0	BUREAU OF RECLAMATION	1	2								1			
						1	MUM AIRPORT SEWER			2,500	0									
							FEDERAL AVIATION AGENCY													
6901	00000	13043	26	2090	079	0	GRAND IS AIRPT AD BLDG	1	1								1			
						1	GRAND ISLAND AIRPORT SEW			400	0									
		6					12 COUNTY TOTAL			92,250										
							HAMILTON CO													
							AURORA													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03084	14910	26	0260	081	0	POST OFFICE	1	1								1			
						1	AURORA CITY SEWER			110	0									
		1					2 COUNTY TOTAL			110										
							HARLAN CO													
							REPUBLICAN CITY													
							DEFENSE													
							CORPS OF ENG CIVIL													
							HARLAN COUNTY RESERVOIR													
9601	09893	20405	26	4110	083	0	CHANNEL FISHING AREA	1									1			
						3	GROUND			40P	0									
9601	09893	20406	26	4110	083	0	ADMIN & TOWNSITE AREA	1									1			
						3	GROUND			3,000	100									
9601	09893	20407	26	4110	083	0	NORTH SHORE CONCESSION	2									1			
						3	GROUND			1,200	100									
						3	GROUND			70P	0									
9601	09893	20408	26	4110	083	0	HI-POINT SHELTER	1									1			
						3	GROUND			100	100									
						3	GROUND			100P	0									
9601	09893	20409	26	4110	083	0	PATTERSON HARBOR	1									1			
						3	GROUND			200P	0									
9601	09893	20410	26	4110	083	0	METHODIST CREEK	1									1			
						3	GROUND			100P	0									
9601	09893	20411	26	4110	083	0	NOVE COVE	1									1			
						3	GROUND			50P	0									
9601	09893	20412	26	4110	083	0	SOUTH SHORE BEACH	1									1			
						3	GROUND			50P	0									
		8					18 COUNTY TOTAL			4,300 610P										
							HITCHCOCK CO													
							TRENTON													
							INTERIOR													
							BUR OF RECLAMATION													
1417	06970	10464	26	4880	087	0	TRENTON DAM RES & SHOP	1	1								1			
						3	GROUND			250	100									
		1					2 COUNTY TOTAL			250										
							HOLT CO													
							ONEILL													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03194	14937	26	3630	089	0	POST OFFICE	1	1								1			
						1	ONEILL CITY SEWER			75	0									
							FEDERAL AVIATION AGENCY													
6901	00000	13048	26	3630	089	0	ONEILL AIRPORT AD BLDG	1	1								1			
						1	ONEILL AIRPORT SEWER			50	0									
		2					4 COUNTY TOTAL			125										
							JEFFERSON CO													
							FAIRBURY													
							POST OFFICE													
							BUREAU OF FACILITIES													
1804	03075	14921	26	1790	095	0	POST OFFICE	1	1								1			
						1	FAIRBURY CITY SEWER			453	0									
		1					2 COUNTY TOTAL			453										

NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTAL-LATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DAY	YR
							JOHNSON CO														
							TECUMSEH														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03031	14947	26	4800	097	0	POST OFFICE	1	1									1			
						1	TECUMSEH CITY SEWER			175		0									
		1					2 COUNTY TOTAL			175											
							KEARNEY CO														
							MINDEN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03024	14932	26	3240	099	0	POST OFFICE	1	1									1			
						1	MINDEN CITY SEWER			390		0									
		1					2 COUNTY TOTAL			390											
							KEITH CO														
							OGALLALA														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03196	14935	26	3600	101	0	POST OFFICE	1	1									1			
						1	OGALLALA CITY SEWER			233		0									
		1					2 COUNTY TOTAL			233											
							KNOX CO														
							CROFTON														
							DEFENSE														
							CORPS OF ENG CIVIL														
							GAVINS PT DAM & RES														
9601	10087	18533	26	1260	107	0	MILLER CREEK REC AREA	2										1			
						3	GROUND			55P		0									
9601	10087	18534	26	1260	107	0	BLOOMFIELD REC AREA	2										1			
						3	GROUND			120P		0									
9601	10087	18535	26	1260	107	0	WEIGAND RECREATION AREA	2										1			
						3	GROUND			600P		0									
9601	10087	18536	26	1260	107	0	DEEP WATER REC AREA	2										1			
						3	GROUND			20P		0									
							NIOBRARA														
							HEALTH ED AND WELFARE														
							PUBLIC HEALTH SERVICE														
7513	12680	00600	26	3460	107	0	INDIAN HEALTH STATION	1	1									1			
						3	GROUND			500		100									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	20404	26	3460	107	0	NIOBRARA FERRY	2										1			
						3	GROUND			80		100									
9601	10087	18539	26	3460	107	0	RECREATION AREA	2										1			
						3	GROUND			300P		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							CORPS OF ENG CIVIL														
							GAVINS PT DAM & RES														
9601	10087	18550	26	9999	107	0	DEVILS NEST REC AREA	2										1			
						3	GROUND			20P		0									
9601	10087	18551	26	9999	107	0	KNOX RECREATION AREA	2										1			
						3	GROUND			20P		0									
9601	10087	18552	26	9999	107	0	SANTEE RECREATION AREA	2										1			
						3	GROUND			270P		0									
9601	10087	18553	26	9999	107	0	SOUTH SHORE REC AREA	2										1			
						3	GROUND			2,000P		0									
		11					22 COUNTY TOTAL			580 3,405P											
							LANCASTER CO														
							LINCOLN														
							AGRICULTURE														
							AGR RESEARCH SERVICE														
1212	12938	07933	26	2830	109	0	FORAGE INSECT LAB	1	1									1			
						1	LINCOLN CITY SEWAGE			120		0									
							DEFENSE														
							NAVY														
1701	23026	01554	26	2830	109	0	RESERVE TRAINING CENTER	1										1			
						1	LINCOLN CITY SEWER			670		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	00700	14930	26	2830	109	0	VEHICLE MAINT FACILITY	1	1									1			
						1	LINCOLN CITY SEWER			500		0									

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NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31,1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							DEFENSE														
							ARMY														
2101	00000	19802	26	2830	109	0	LSD HSG MIL 2676 S 9TH	1										1			
						1	LINCOLN CITY SEWER			200		0									
2101	00000	19803	26	2830	109	0	LSD HSG MIL 4502 L ST	1										1			
						1	LINCOLN CITY SEWER			400		0									
2101	00000	19804	26	2830	109	0	LSD HSG MIL 4625 HIGH	1										1			
						1	LINCOLN CITY SEWER			500		0									
2101	00000	19805	26	2830	109	0	LSD HSG MIL 7210 KEARNEY	1										1			
						1	LINCOLN CITY SEWER			300		0									
2101	00000	19806	26	2830	109	0	LSD HSG MIL 611 E ELDORA	1										1			
						1	LINCOLN CITY SEWER			600		0									
2101	00000	19807	26	2830	109	0	LSD HSG MIL 2101 N 27TH	1										1			
						1	LINCOLN CITY SEWER			400		0									
2101	00000	20807	26	2830	109	0	LSD HSG MIL 16 HOUSES	1										1			
						1	LINCOLN CITY SEWER			5,800		0									
2101	00000	20808	26	2830	109	0	LSD HSG MIL 2 HOUSES	1										1			
						1	LINCOLN CITY SEWER			600		0									
2101	20514	17830	26	2830	109	0	USAR CENTER	1										1			
						1	LINCOLN CITY SEWER			266		0									
							VETERANS ADMINISTRATION														
3601	10296	00090	26	2830	109	0	V A HOSPITAL	1	4									1			
						1	LINCOLN CITY SEWER			50,000		0									
							GENERAL SERVICES ADMIN														
4706	11167	12335	26	2830	109	0	POST OFF & COURTHOUSE	1	3									1			
						1	LINCOLN CITY SEWER			6,000		0									
							DEFENSE														
							AIR FORCE														
5701	24187	09028	26	2830	109	0	LINCOLN AF BASE	1									39	1			
						1	LINCOLN CITY SEWER			731,000		0									
						3	GROUND						1,000		0	0					
							FEDERAL AVIATION AGENCY														
6901	43566	13045	26	2830	109	0	UNION AIRPORT NAV FAC	1	1									1			
						1	UNION AIRPORT SEWER			400		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							ARMY														
2101	00000	19819	26	9999	109	0	LSD HSG MIL NO ADD AVAIL	1										1			
						3	GROUND			300		100									
2101	22116	17827	26	9999	109	0	NIKE LINCOLN AFB SITE 1	1										1			
						3	GROUND			3,523		100									
2101	22116	19136	26	9999	109	0	NIKE LINCOLN AFB SITE 01	1										1			
						3	GROUND			1,350		100									
						3	GROUND			8	P	100									
2101	22117	17828	26	9999	109	0	NIKE LINCOLN AFB SITE 50	1										1			
						3	GROUND			3,808		100									
2101	22117	19137	26	9999	109	0	NIKE LINCOLN AFB SITE 50	1										1			
						3	GROUND			1,350		100									
						3	GROUND			8	P	100									
							45 COUNTY TOTAL			808,087			1,000								
		21								16	P										
							LINCOLN CO														
							MAXWELL														
							DEFENSE														
							ARMY														
2101	20559	17826	26	3110	111	0	FORT MCPHERSON NATL CEM	1										1			
						3	GROUND			900		100									
							NORTH PLATTE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03395	14934	26	3520	111	0	POST OFF & COURTHOUSE	1	2									1			
						1	NORTH PLATTE CITY SEWER			1,200		0									
							FEDERAL AVIATION AGENCY														
6901	43568	13046	26	3520	111	0	N PLATTE AIRPT AD BLDG	1	1									1			
						1	N PLATTE AIRPORT SEWER			379		0									
							6 COUNTY TOTAL			2,475											
		3																			
							MADISON CO														
							NORFOLK														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03022	14933	26	3480	119	0	POST OFFICE	1	2									1			
						1	NORFOLK CITY SEWER			538		0									
							GENERAL SERVICES ADMIN														
4706	13200	12336	26	3480	119	0	POST OFFICE	1	2									1			
						1	NORFOLK CITY SEWER			538		0									
							4 COUNTY TOTAL			1,076											
		2																			

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PER CENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			NO.	DAY	YR.
							MERRICK CO														
							CENTRAL CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03388	14915	26	0940	121	0	POST OFFICE	1	1									1			
						1	CENTRAL CITY SEWER			110		0									
		1					2 COUNTY TOTAL			110											
							NEMAHA CO														
							AUBURN														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03085	14909	26	0250	127	0	POST OFFICE	1	1									1			
						1	AUBURN CITY SEWER			210		0									
							BROWNVILLE														
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18531	26	0730	127	0	PROJECT OFFICE	1										1			
						3	GROUND			6P		0									
9601	00000	18532	26	0730	127	0	ENG CORPS-LAUNCH	1										1			
						3	GROUND			2P		100									
		3					6 COUNTY TOTAL			210 8P											
							NUCKOLLS CO														
							SUPERIOR														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10463	26	4690	129	0	SUPERIOR RES OFF & SHOP	1	1									1			
						1	SUPERIOR CITY SEWER			1,800		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03032	14946	26	4690	129	0	POST OFFICE	1	1									1			
						1	SUPERIOR CITY SEWER			350		0									
		2					4 COUNTY TOTAL			2,150											
							OTOE CO														
							NEBRASKA CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03023	20977	26	3360	131	0	POST OFFICE	1	1									1			
						1	NEBRASKA CITY SEWER			640		0									
							DEFENSE														
							CORPS OF ENG CIVIL														
9601	00000	18538	26	3360	131	0	ENG CORPS-LAUNCH	1										1			
						3	GROUND			2P		100									
9601	09892	18537	26	3360	131	0	ENG CORPS-REPAIR GARAGE	1										1			
						3	GROUND			60		100									
		3					6 COUNTY TOTAL			700 2P											
							PAWNEE CO														
							PAWNEE CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03192	14939	26	3810	133	0	POST OFFICE	1	1									1			
						1	PAWNEE CITY SEWER			137		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13049	26	3810	133	0	BARBER SHOP BLDG FLD OFF	1	1									1			
						1	PAWNEE CITY SEWER			75		0									
		2					4 COUNTY TOTAL			212											
							PHELPS CO														
							HOLDREGE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03001	14927	26	2430	137	0	POST OFFICE	1	1									1			
						1	HOLDREGE CITY SEWER			160		0									
		1					2 COUNTY TOTAL			160											
							PLATTE CO														
							COLUMBUS														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03079	14917	26	1100	141	0	POST OFFICE	1	2									1			
						1	COLUMBUS CITY SEWER			2,500		0									
		1					2 COUNTY TOTAL			2,500											

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WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS -- DECEMBER 31, 1960

GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT			TYPE	DATE		
															TREATED	COOLING			MO	DAY	YR
							RED WILLOW CO														
							MCCOOK														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10460	26	2970	145	0	MCCOOK HEADQUARTERS	1	3									1			
						1	MCCOOK CITY SEWER			8,000		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03025	14931	26	2970	145	0	POST OFFICE	1	2									1			
						1	MCCOOK CITY SEWER			235		0									
		2					4 COUNTY TOTAL			8,235											
							RICHARDSON CO														
							FALLS CITY														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03074	14922	26	1820	147	0	POST OFFICE	1	1									1			
						1	FALLS CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											
							SALINE CO														
							CRETE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03077	14919	26	1250	151	0	POST OFFICE	1	1									1			
						1	CRETE CITY SEWER			100		0									
							DEFENSE														
							ARMY														
2101	00000	19799	26	1250	151	0	LEASED HSG MIL RFD #1	1										1			
						3	GROUND			400		100									
2101	00000	19800	26	1250	151	0	LSD HSG MIL NO ADD AVAIL	1										1			
						1	CRETE CITY SEWER			8,900		0									
2101	00000	19801	26	1250	151	0	LEASED HSG MIL RFD #1	1										1			
						3	GROUND			300		100									
		4					8 COUNTY TOTAL			9,700											
							SARPY CO														
							BELLEVUE														
							DEFENSE														
							AIR FORCE														
5701	00000	11358	26	0460	153	0	OFFUTT AFB-MSL SQ NC FAC	1										1			
						3	GROUND			50,000		100									
							OFFUTT AIR FORCE BASE														
							DEFENSE														
							AIR FORCE														
5701	24648	08946	26	3595	153	0	OFFUTT AIR FORCE BASE	1										1			
						2	PAPPIO CREEK			1,000,000		100									
5701	24648	08968	26	3595	153	0	OFFUTT AF BASE-BLDG 68	1										1			
						2	PAPIO CREEK			500		100									
5701	24648	08969	26	3595	153	0	OFFUTT AFB-LAKE PAVILLION	1										1			
						3	GROUND			1,500		100									
							PAPILLION														
							DEFENSE														
							ARMY														
2101	00000	19815	26	3800	153	0	LSD HSG MIL NO ADD AVAIL	1										1			
						1	PAPILLION CITY SEWER			1,900		0									
							SPRINGFIELD														
							DEFENSE														
							ARMY														
2101	00000	19817	26	4520	153	0	LEASED HSG MIL HWY #50	1										1			
						3	GROUND			500		100									
2101	00000	19818	26	4520	153	0	LSD HSG MIL NO ADD AVAIL	1										1			
						1	SPRINGFIELD CITY SEWER			1,000		0									
							PROP WITHOUT CITY IDENT														
							DEFENSE														
							ARMY														
2101	00000	19820	26	9999	153	0	LSD HSG MIL COOK & FERN	1										1			
						3	GROUND			900		100									
		8					16 COUNTY TOTAL			1,056,300											

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NEBRASKA

WASTE WATER DISPOSAL PRACTICES AT FEDERAL INSTALLATIONS - - DECEMBER 31, 1960

GSA CONTROL AGENCY OR BUREAU	GSA CONTROL INSTALLATION	GSA CONTROL REPORT NUMBER	GEOGRAPHIC LOCATION STATE	GEOGRAPHIC LOCATION CITY	GEOGRAPHIC LOCATION COUNTY	CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE VOLUME GALLONS PER DAY	SEWAGE PERSONS	SEWAGE PERCENT TREATED	INDUSTRIAL WASTE VOLUME GALLONS PER DAY	INDUSTRIAL WASTE SOLIDS	INDUSTRIAL WASTE PERCENT TREATED	INDUSTRIAL WASTE PERCENT COOLING	INDUSTRIAL ACTIVITY CODES	NOTIFICATION TYPE	NOTIFICATION DATE MO	NOTIFICATION DATE DAY	NOTIFICATION DATE YR
							SAUNDERS CO														
							ASHLAND														
							DEFENSE														
							ARMY														
2101	20043	17832	26	0210	155	0	NAT GUARD FACILITY	1										1			
						2	PLATTE RIVER			100		0									
						3	GROUND			20P		0									
						3	GROUND			300		100									
							CERESCO														
							DEFENSE														
							ARMY														
2101	00000	19798	26	0950	155	0	LSD HSG MIL NO ADD AVAIL	1										1			
						1	CERESCO CITY SEWER			1,400		0									
							MEAD														
							DEFENSE														
							AIR FORCE														
5701	24665	08967	26	3130	155	0	OFFUTT AFB-MSL SITE 1	1										1			
						3	GROUND			15,000		100									
5701	25551	11359	26	3130	155	0	OFFUTT AFB-MEAD ORD PLANT	1										1			
						2	JOHNSON CREEK			120,000		100									
							WAHOO														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03097	14949	26	5050	155	0	POST OFFICE	1	1									1			
						1	WAHOO CITY SEWER			125		0									
		5					12 COUNTY TOTAL			136,925 20P											
							SCOTTS BLUFF CO														
							GERING														
							INTERIOR														
							NATIONAL PARK SERVICE														
1414	07087	11766	26	1990	157	0	SCOTTS BLUFF NAT MON	1	2									1			
						3	GROUND			3,000		100									
							BUR OF RECLAMATION														
1417	06977	10456	26	1990	157	0	GERING SUBSTATION	1	1									1			
						1	GERING CITY SEWER			250		0	500		0	100					
							GENERAL SERVICES ADMIN														
4706	11819	12334	26	1990	157	0	POST OFFICE	1	1									1			
						1	GERING CITY SEWER			200		0									
						3	GROUND			50		0									
							SCOTTSBLUFF														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03188	14943	26	4340	157	0	POST OFFICE	1	2									1			
						1	SCOTTSBLUFF CITY SEWER			250		0									
							FEDERAL AVIATION AGENCY														
6901	00000	13050	26	4340	157	0	SCOTTSBLUFF AD BLDG	1	1									1			
						1	SCOTTSBLUFF AIRPORT SEW			250		0									
		5					11 COUNTY TOTAL			4,000			500								
							SEWARD CO														
							SEWARD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03187	14944	26	4370	159	0	POST OFFICE	1	1									1			
						1	SEWARD CITY SEWER			250		0									
		1					2 COUNTY TOTAL			250											
							SHERIDAN CO														
							HAY SPRINGS														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06971	10459	26	2300	161	0	MIRAGE FLATS	2	1									1			
						3	GROUND			150		0									
		1					2 COUNTY TOTAL			150											
							THAYER CO														
							HEBRON														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03002	14926	26	2330	169	0	POST OFFICE	1	1									1			
						1	HEBRON CITY SEWER			200		0									
		1					2 COUNTY TOTAL			200											

GSA FORM 740C
MARCH 1961

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GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP. SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE NO.	DAY	YR.
							THOMAS CO														
							HALSEY														
							AGRICULTURE														
							FOREST SERVICE														
							NEBRASKA NAT FOREST														
1226	07524	08019	26	2205	171	0	BESSEY OFFICE	1	1												
						3	GROUND			50		100						1			
1226	07524	08020	26	2205	171	0	TENT & TRAILERS AREA	1	1												
						3	GROUND			50		100						1			
1226	07524	08021	26	2205	171	0	BESSEY SWIMMING POOL	1	2												
						3	GROUND			150		100						1			
1226	07524	08022	26	2205	171	0	BESSEY CAMPGROUND	1	1												
						3	GROUND			60		100						1			
1226	07524	08023	26	2205	171	0	FOREMAN DWELLING	1	1												
						3	GROUND			100		100						1			
1226	07524	08024	26	2205	171	0	PACKING SHED	1	1												
						3	GROUND			50		100						1			
1226	07524	08025	26	2205	171	0	MECHANIC DWELLING	1	1												
						3	GROUND			150		100						1			
1226	07524	08026	26	2205	171	0	ASST DWELLING #2	1	1												
						3	GROUND			150		100						1			
1226	07524	08027	26	2205	171	0	ASST DWELLING #1	1	1												
						3	GROUND			75		100						1			
1226	07524	08028	26	2205	171	0	VISITING OFFICERS QTRS	1	1												
						3	GROUND			50		100						1			
1226	07524	08029	26	2205	171	0	NURSERYMAN DWELLING	1	1												
						3	GROUND			150		100						1			
1226	07524	08030	26	2205	171	0	CREWS QUARTERS	1	1												
						3	GROUND			100		100						1			
1226	07524	08031	26	2205	171	0	DISTRICT RANGER DWELL	1	1												
						3	GROUND			175		100						1			
1226	07524	08032	26	2205	171	0	COLD STORAGE	1	1												
						3	GROUND			25		100						1			
		14					28 COUNTY TOTAL			1,335											
							THURSTON CO														
							MACY														
							HEALTH ED AND WELFARE														
							PUBLIC HEALTH SERVICE														
7513	12666	00599	26	3005	173	0	INDIAN HEALTH HOSPITAL	1	1												
						1	BUR INDIAN AFFAIRS SEW			200		0						1			
							WINNEBAGO														
							INTERIOR														
							BUR OF INDIAN AFFAIRS														
1415	09015	09465	26	5260	173	0	WINNEBAGO AGENCY	1	3												
						2	BRANCH OF OMAHA CREEK			8,000		100						1			
							HEALTH ED AND WELFARE														
							PUBLIC HEALTH SERVICE														
7513	11506	00601	26	5260	173	0	INDIAN HOSPITAL	1	3												
						1	WINNEBAGO CITY SEWER			15,000		0						1			
		3					6 COUNTY TOTAL			23,200											
							VALLEY CO														
							ORD														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03193	14938	26	3660	175	0	POST OFFICE	1	1												
						1	ORD CITY SEWER			233		0						1			
		1					2 COUNTY TOTAL			233											
							WASHINGTON CO														
							ARLINGTON														
							DEFENSE														
							AIR FORCE														
5701	25375	08966	26	0180	177	0	OFFUTT AFB-MSL SITE 2	1													
						3	GROUND			15,000		100						1			
							BLAIR														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03082	14913	26	0580	177	0	POST OFFICE	1	1												
						1	BLAIR CITY SEWER			100		0						1			
		2					4 COUNTY TOTAL			15,100											

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GSA CONTROL			GEOGRAPHIC LOCATION			CARD NO.	DESCRIPTION	ACTIVITY	POP SIZE	SEWAGE			INDUSTRIAL WASTE				INDUSTRIAL ACTIVITY CODES	NOTIFICATION			
AGENCY OR BUREAU	INSTALLATION	REPORT NUMBER	STATE	CITY	COUNTY					VOLUME GALLONS PER DAY	PERSONS	PERCENT TREATED	VOLUME GALLONS PER DAY	SOLIDS	PERCENT TREATED	PERCENT COOLING		TYPE	DATE MO	DATE DAY	DATE YR
							WAYNE CO														
							WAYNE														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03030	20978	26	5150	179	0	POST OFFICE	1	1									1			
						1	WAYNE CITY SEWER			120		0									
		1					2 COUNTY TOTAL			120											
							WEBSTER CO														
							BLUE HILL														
							AGRICULTURE														
							AGR RESEARCH SERVICE														
1212	07333	07829	26	0610	181	0	AGRI EXPERIMENT STA	1	1									1			
						3	GROUND			450		100									
							GUIDE ROCK														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10458	26	2160	181	0	GUIDE ROCK RES	2	1									1			
						3	GROUND			100		100									
							RED CLOUD														
							INTERIOR														
							BUR OF RECLAMATION														
1417	06970	10461	26	4100	181	0	BOSTWICK IRRIG DIST OFF	2	1									1			
						1	RED CLOUD CITY SEWER			150		0									
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03190	14941	26	4100	181	0	POST OFFICE	1	1									1			
						1	RED CLOUD CITY SEWER			250		0									
		4					8 COUNTY TOTAL			950											
							YORK CO														
							YORK														
							POST OFFICE														
							BUREAU OF FACILITIES														
1804	03029	14950	26	5360	185	0	POST OFFICE	1	1									1			
						1	YORK CITY SEWER			500		0									
		1					2 COUNTY TOTAL			500											
		213					438 STATE TOTAL			2,778,563 6,190P			1,136,800								